

NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
2. SEE FIGURE 11 FOR THE CHANNEL CROSS SECTIONS.
3. THIS DOCUMENT IS RELEASED FOR PERMITTING ON MARCH 15, 2007 UNDER AUTHORITY OF MARK E. MAZUCH, P.E., #81099. IT IS NOT TO BE USED FOR CONSTRUCTION, OR BIDDING PURPOSES.

LEGEND:

- PROPOSED CHANNEL/IMPROVEMENTS
- EXISTING CHANNEL/MARINE FACILITIES
- EXISTING PLACEMENT AREA
- PROPOSED PLACEMENT AREA

CHANNEL DREDGING PLAN
CHANNEL STA. 118+502 to STA. 97+173

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

MATAGORDA AND CALHOUN COUNTIES, TEXAS

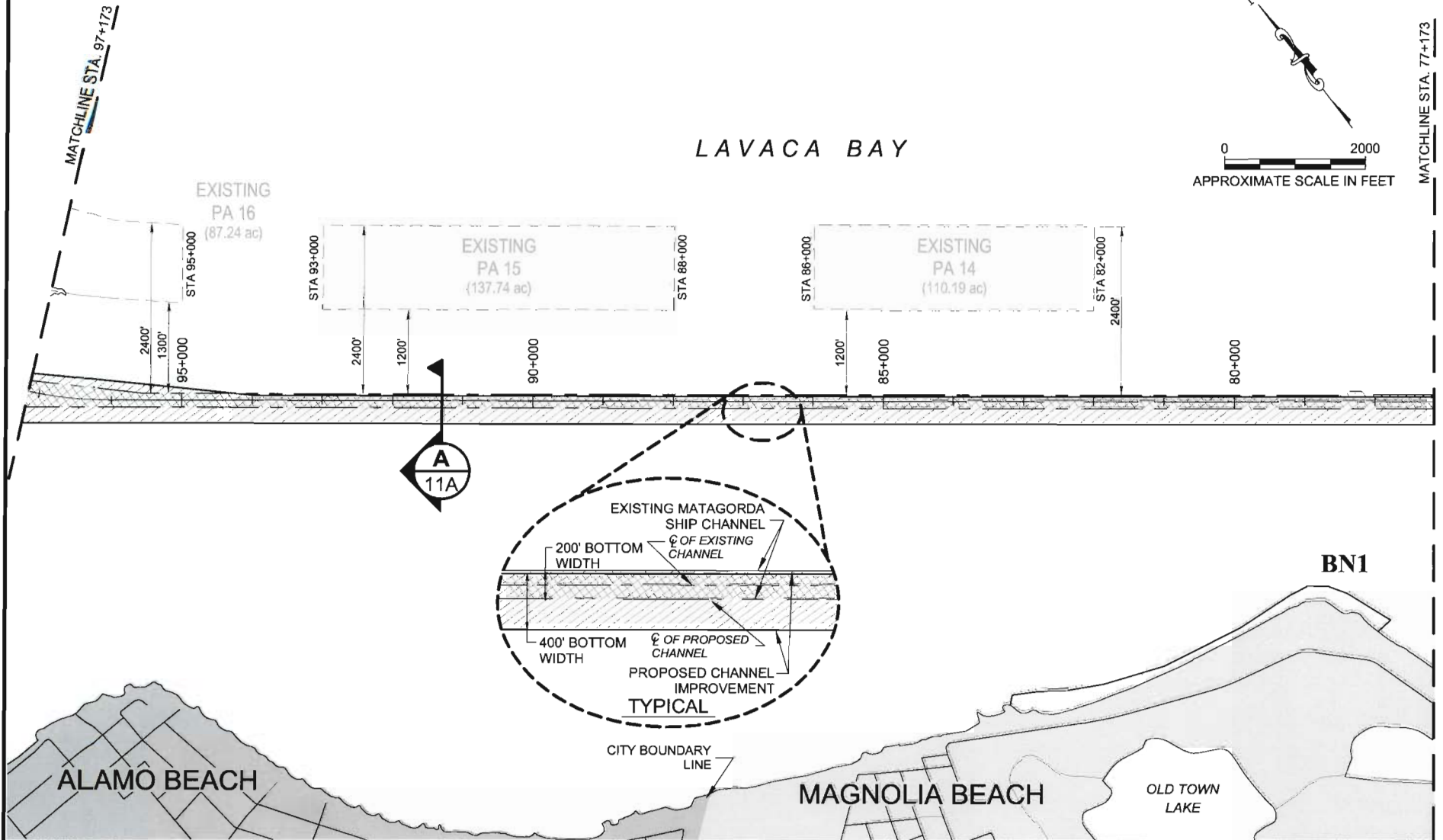
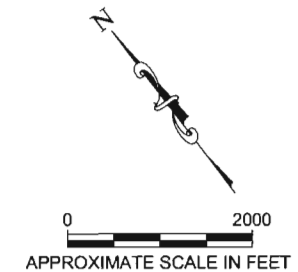
CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **3** OF **46**

URS

LAVACA BAY



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
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LEGEND:

- | | |
|--|------------------------------------|
| | PROPOSED CHANNEL/IMPROVEMENTS |
| | EXISTING CHANNEL/MARINE FACILITIES |
| | EXISTING PLACEMENT AREA |
| | PROPOSED PLACEMENT AREA |

CHANNEL DREDGING PLAN CHANNEL STA. 97+173 to STA. 77+173

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

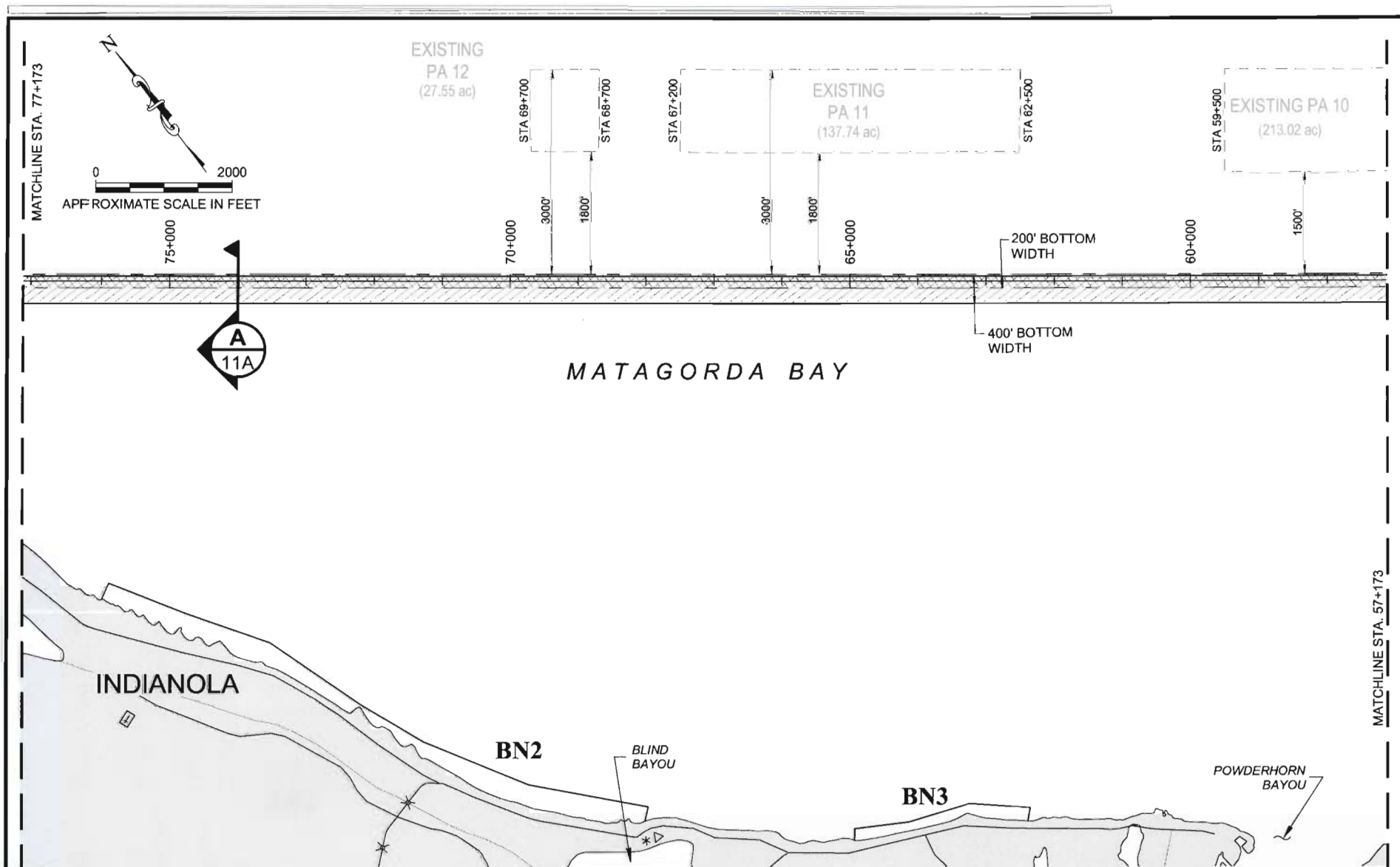
Revised 3-15-07

CALHOUN COUNTY NAVIGATION DISTRICT

URS

PERMIT NO. 24071

FIGURE 4 OF 46



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
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LEGEND:

- | | |
|--|------------------------------------|
| | PROPOSED CHANNEL/IMPROVEMENTS |
| | EXISTING CHANNEL/MARINE FACILITIES |
| | EXISTING PLACEMENT AREA |
| | PROPOSED PLACEMENT AREA |

CHANNEL DREDGING PLAN CHANNEL STA. 77+173 to STA. 57+173

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

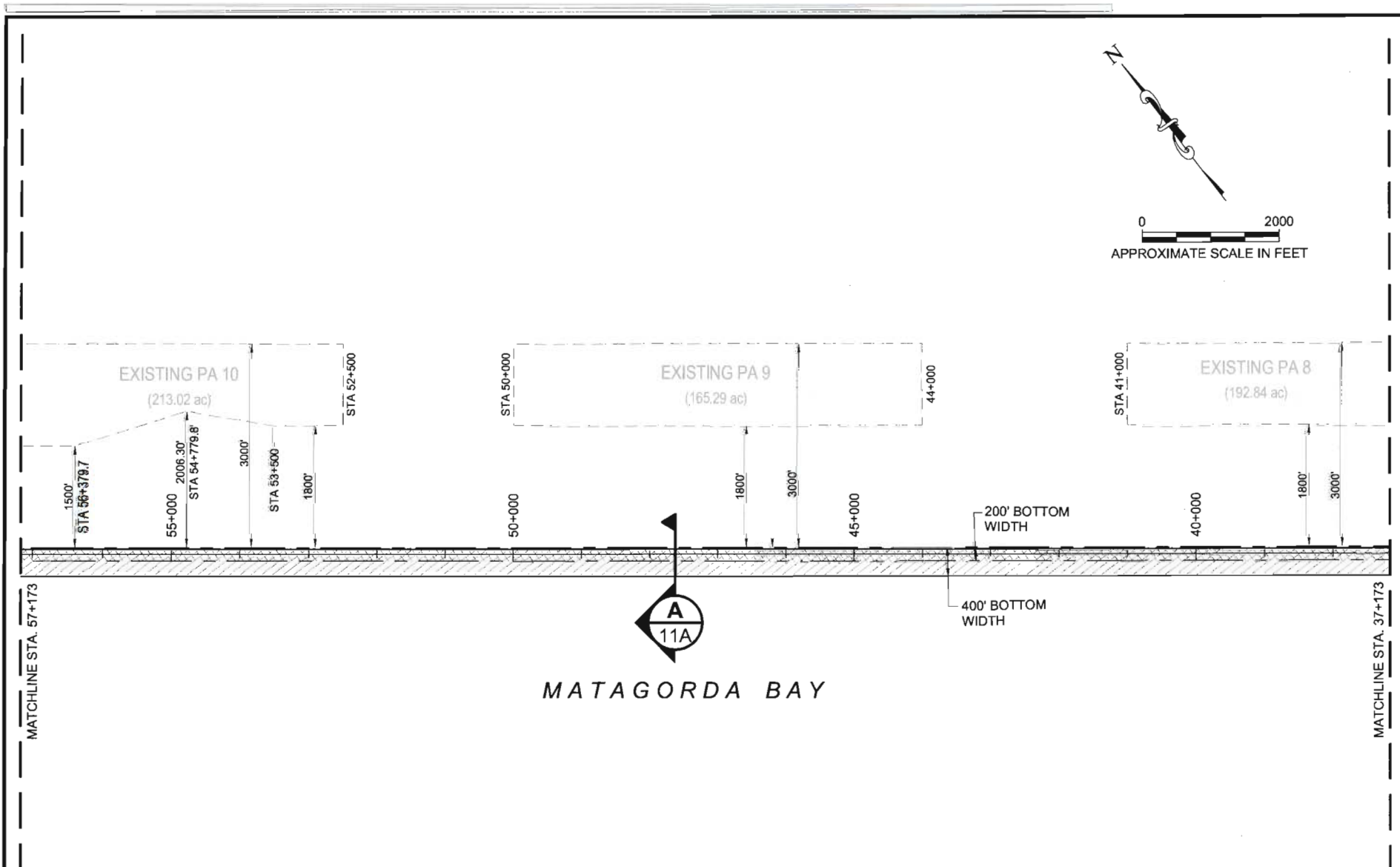
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **5** OF **46**

URS



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
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LEGEND:

- | | |
|----|------------------------------------|
| | PROPOSED CHANNEL/IMPROVEMENTS |
| | EXISTING CHANNEL/MARINE FACILITIES |
| | EXISTING PLACEMENT AREA |
| OR | PROPOSED PLACEMENT AREA |

CHANNEL DREDGING PLAN CHANNEL STA. 57+173 to STA. 37+173

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

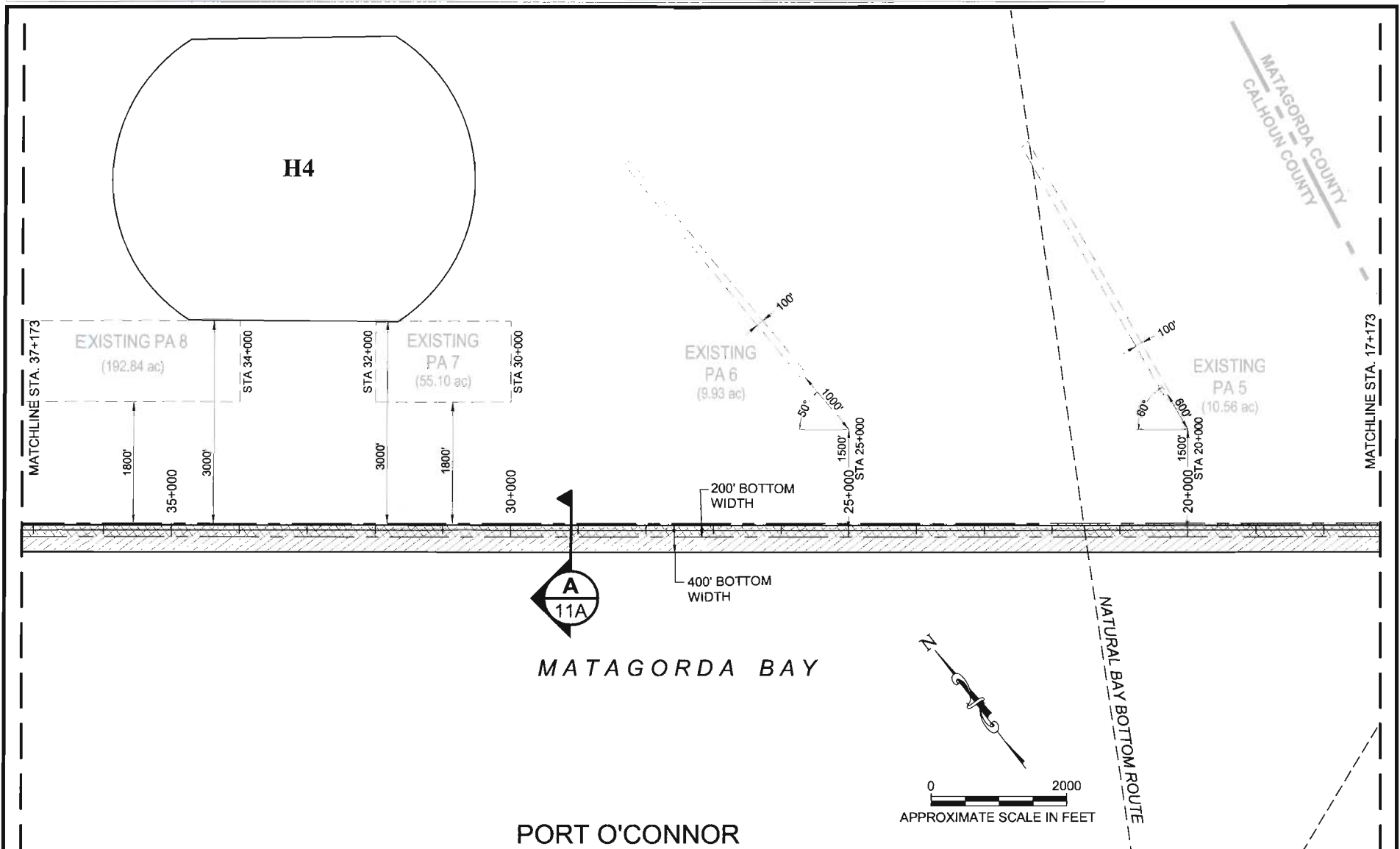
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **6** OF **46**

URS



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
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LEGEND:

- PROPOSED CHANNEL/IMPROVEMENTS
- EXISTING CHANNEL/MARINE FACILITIES
- EXISTING PLACEMENT AREA
- PROPOSED PLACEMENT AREA

A1 OR 05

CHANNEL DREDGING PLAN CHANNEL STA. 37+173 to STA. 17+173

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

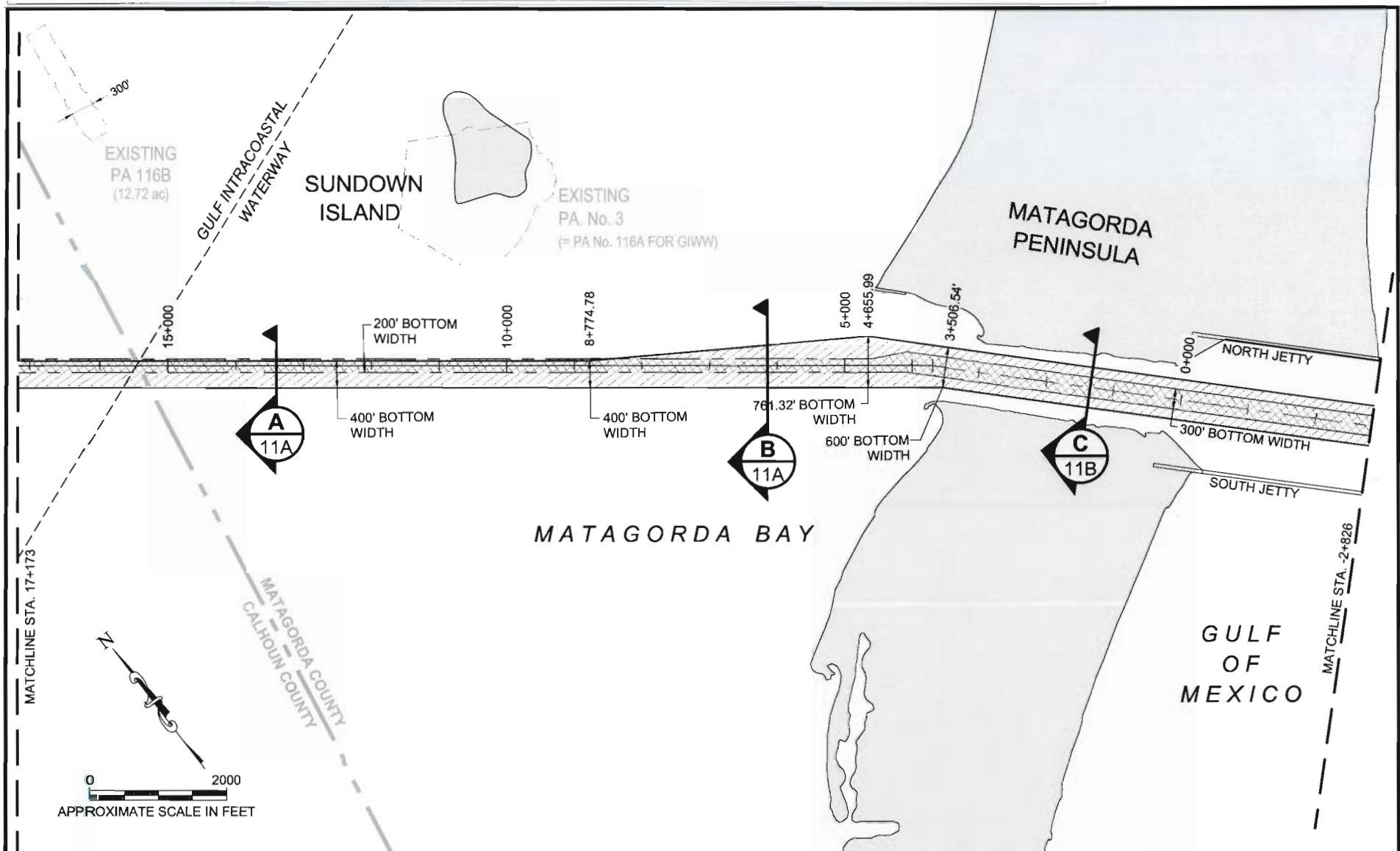
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **7** OF **46**

URS



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
2. SEE FIGURE 11A AND FIGURE 11B FOR THE CHANNEL CROSS SECTIONS.
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LEGEND:

- | | |
|--|------------------------------------|
| | PROPOSED CHANNEL/IMPROVEMENTS |
| | EXISTING CHANNEL/MARINE FACILITIES |
| | EXISTING PLACEMENT AREA |
| | PROPOSED PLACEMENT AREA |

CHANNEL DREDGING PLAN CHANNEL STA. 17+173 to STA. -2+826

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

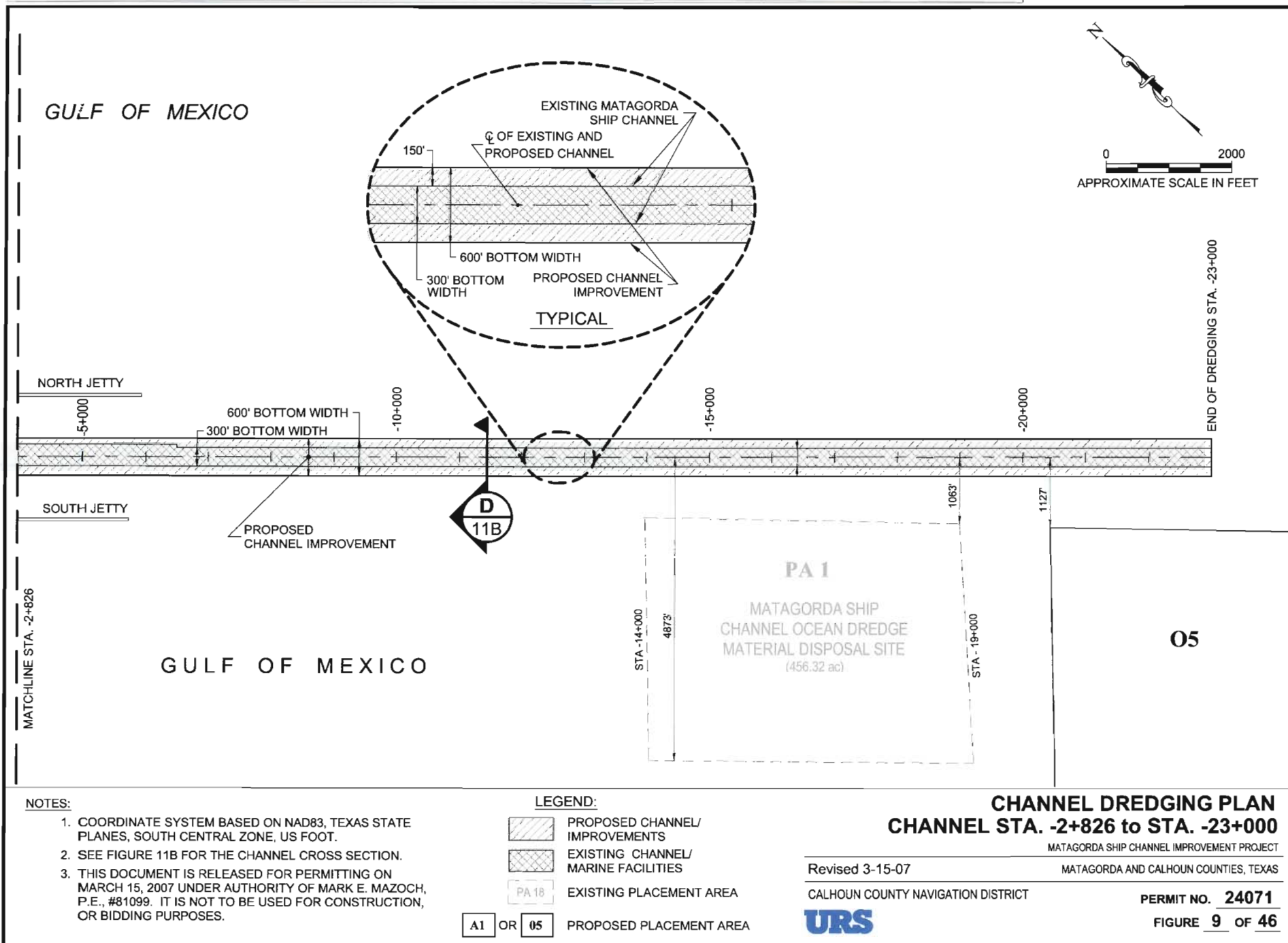
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **8** OF **46**

URS



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
2. SEE FIGURE 11B FOR THE CHANNEL CROSS SECTION.
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LEGEND:

- | | |
|--|------------------------------------|
| | PROPOSED CHANNEL/IMPROVEMENTS |
| | EXISTING CHANNEL/MARINE FACILITIES |
| | EXISTING PLACEMENT AREA |
| | PROPOSED PLACEMENT AREA |

**CHANNEL DREDGING PLAN
CHANNEL STA. -2+826 to STA. -23+000**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

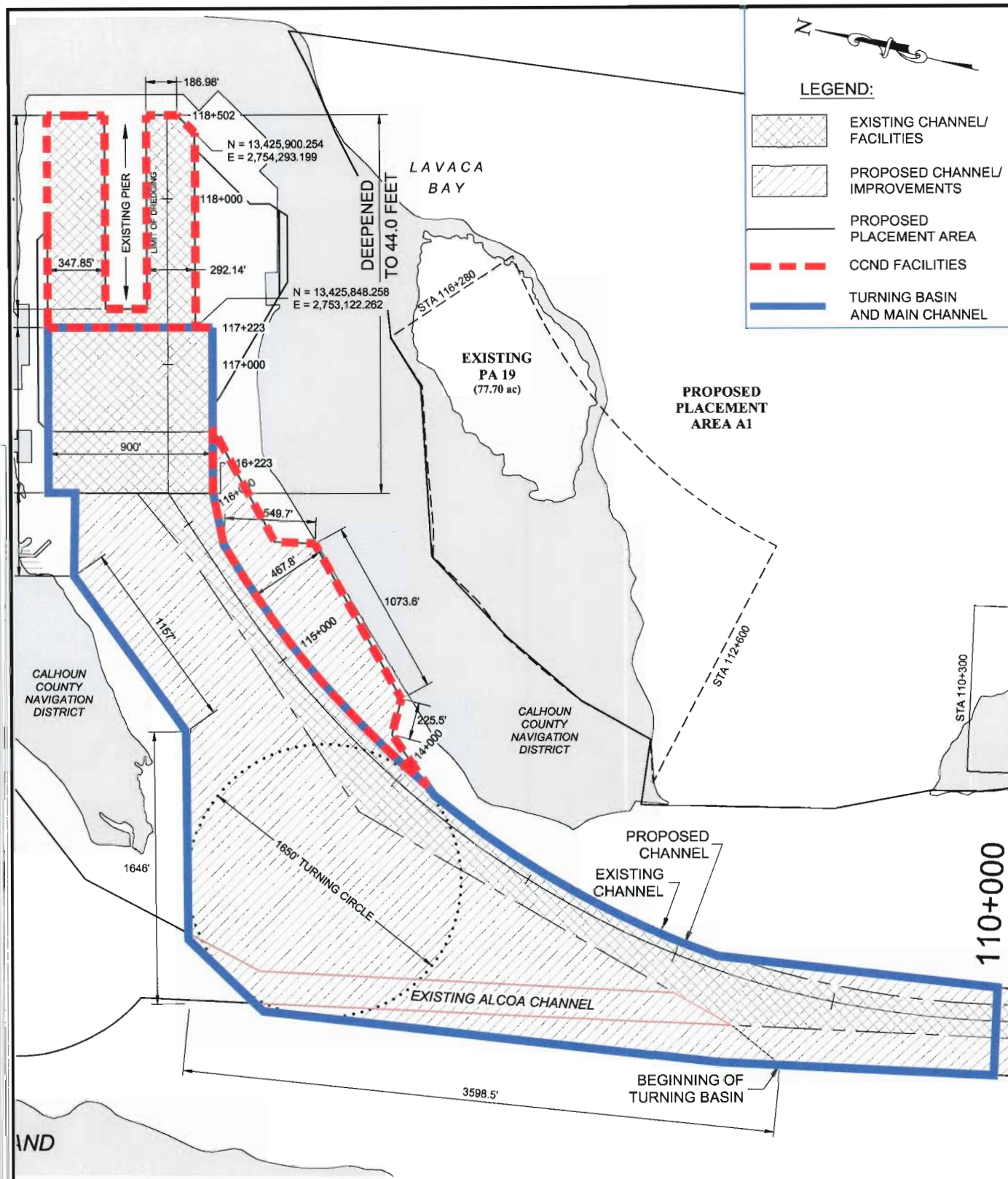
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

URS

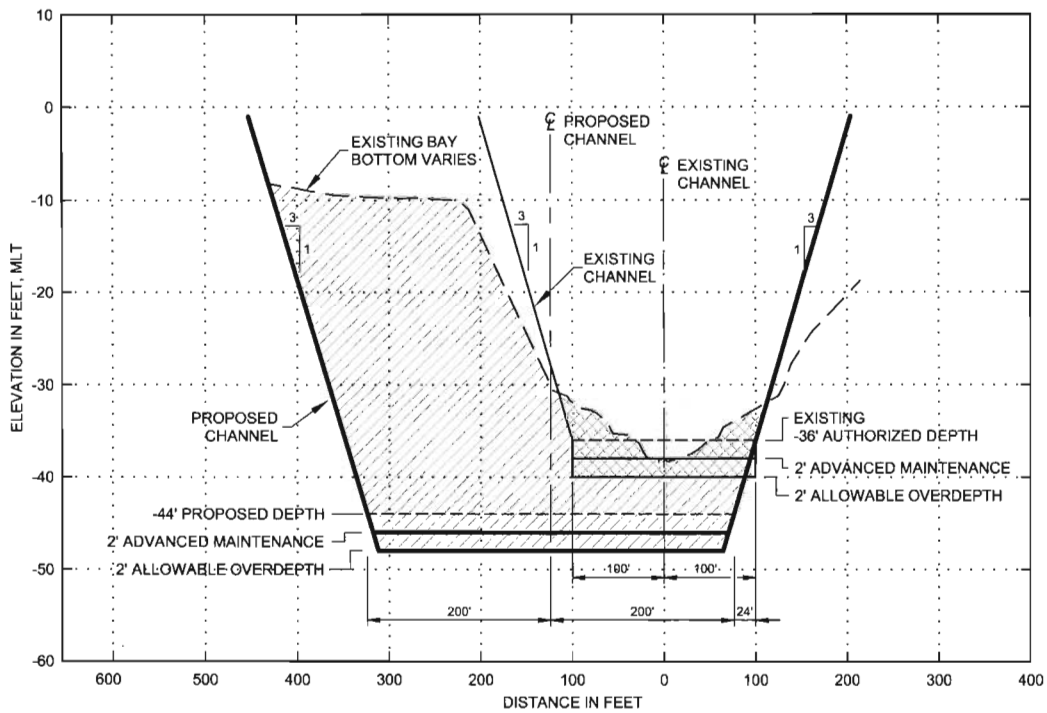
FIGURE **9** OF **46**



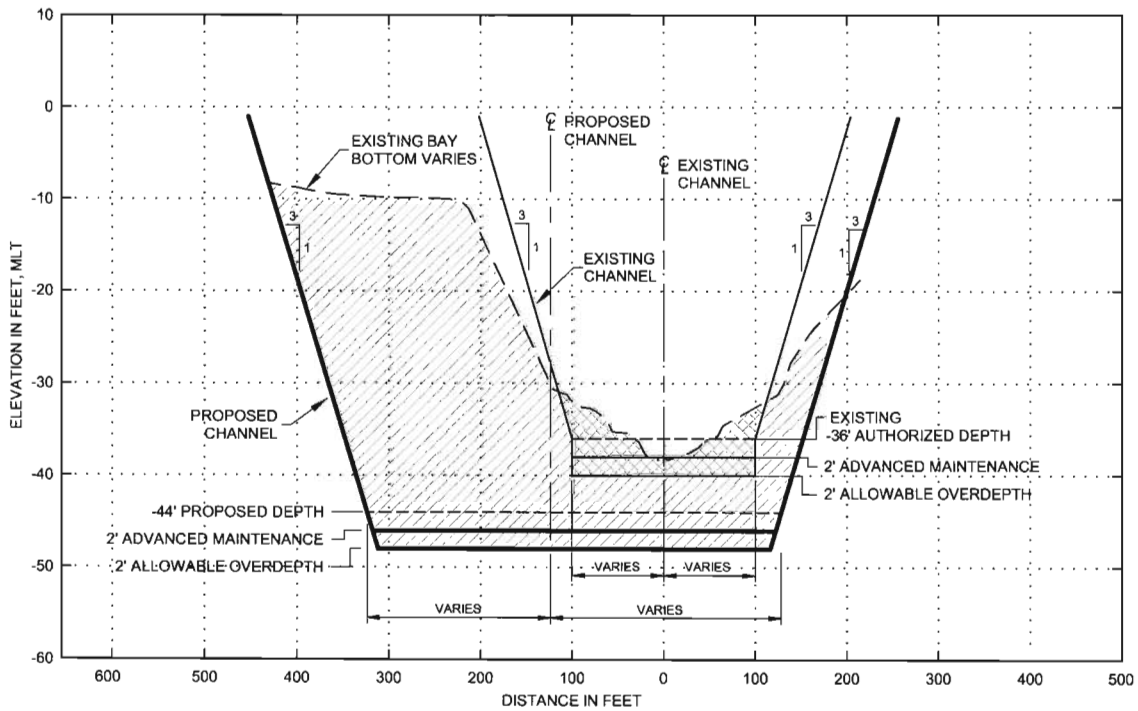
NOTE: NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT

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URS



A CROSS SECTION
BAY REACH



B CROSS SECTION
BAY REACH

LEGEND:

- AREA TO BE DREDGED FOR NEW WORK
- MAINTENANCE MATERIAL

NOTES:

1. CHANNEL SECTIONS ARE NOT TO SCALE.
2. CROSS SECTIONS VIEWED LOOKING TOWARDS INCREASING STATIONS.
3. ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE DATUM.
4. SEE FIGURE 3 THROUGH FIGURE 8 FOR CROSS SECTION LOCATIONS.
5. THIS DOCUMENT IS RELEASED FOR PERMITTING ON MARCH 15, 2007 UNDER AUTHORITY OF MARK E. MAZUCH, P.E., #81099. IT IS NOT TO BE USED FOR CONSTRUCTION, OR BIDDING PURPOSES.

CHANNEL CROSS SECTIONS

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

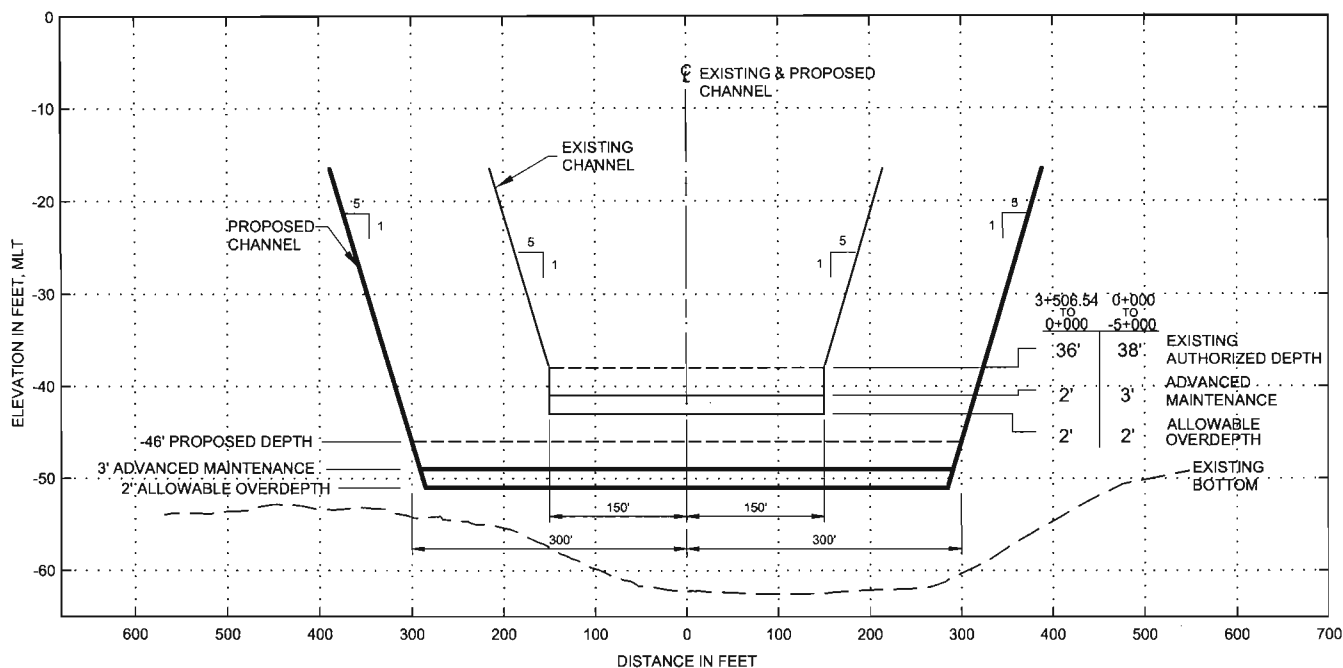
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

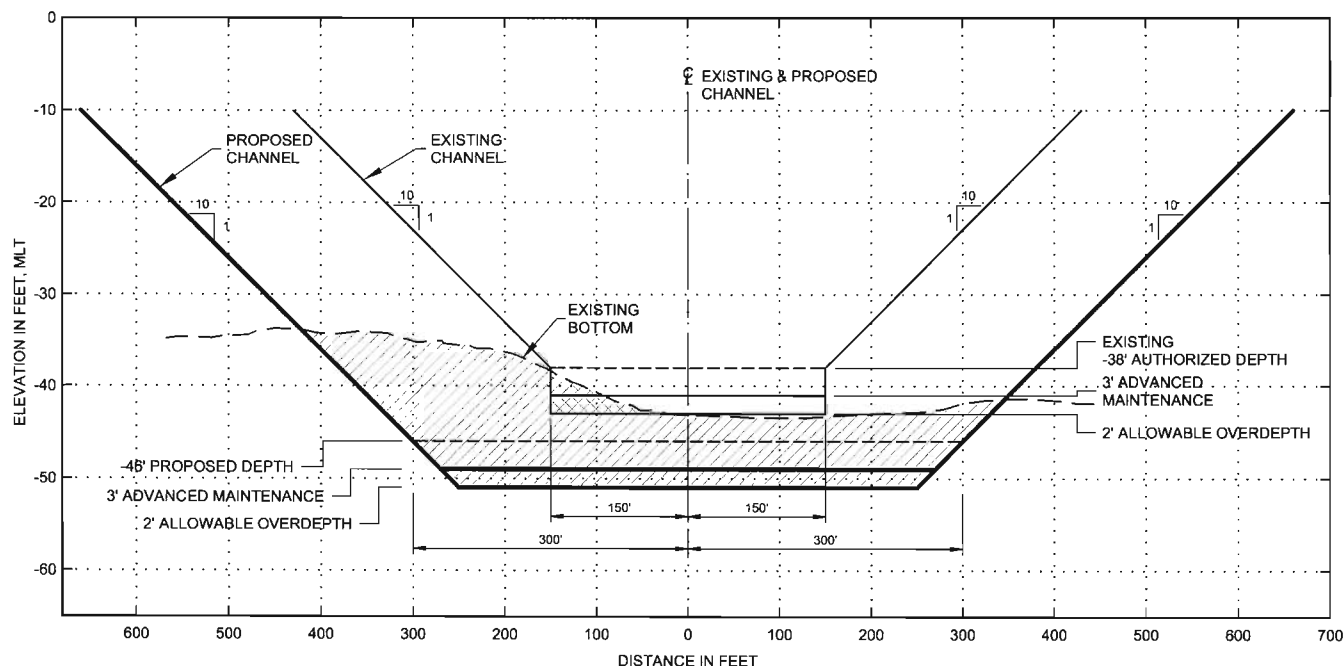
URS

PERMIT NO. **24071**

FIGURE 11A OF 46



C CROSS SECTION
OFFSHORE REACH
STATION 3+506.54 TO
STATION -5+000



D CROSS SECTION
OFFSHORE REACH
STATION -5+000 TO
STATION -23+000

LEGEND:

- AREA TO BE DREDGED FOR NEW WORK
- MAINTENANCE MATERIAL

NOTES:

1. CHANNEL SECTIONS ARE NOT TO SCALE.
2. CROSS SECTIONS VIEWED LOOKING TOWARDS INCREASING STATIONS.
3. ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE DATUM.
4. SEE FIGURE 8 AND FIGURE 9 FOR CROSS SECTION LOCATIONS.
5. THIS DOCUMENT IS RELEASED FOR PERMITTING ON MARCH 15, 2007 UNDER AUTHORITY OF MARK E. MAZUCH, P.E., #81099. IT IS NOT TO BE USED FOR CONSTRUCTION, OR BIDDING PURPOSES.

CHANNEL CROSS SECTIONS

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 4-26-07

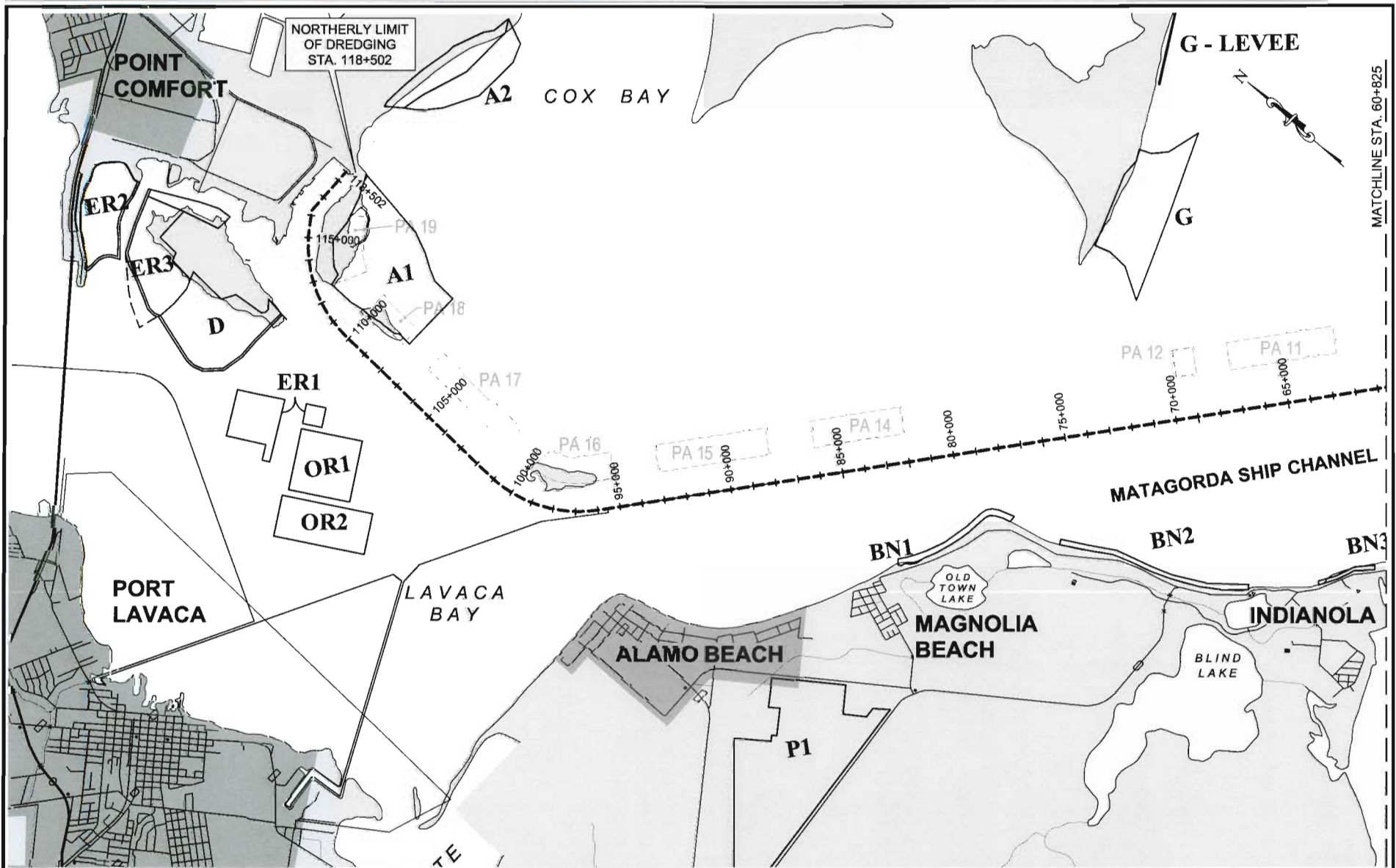
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. 24071

URS

FIGURE 11B OF 46



0 6000 12000
APPROXIMATE SCALE IN FEET

LEGEND:



EXISTING PLACEMENT AREA



PROPOSED PLACEMENT AREA

NOTE: COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.

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PLACEMENT AREA PLAN STA. 118+502 TO STA. 60+825

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

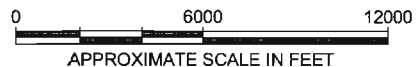
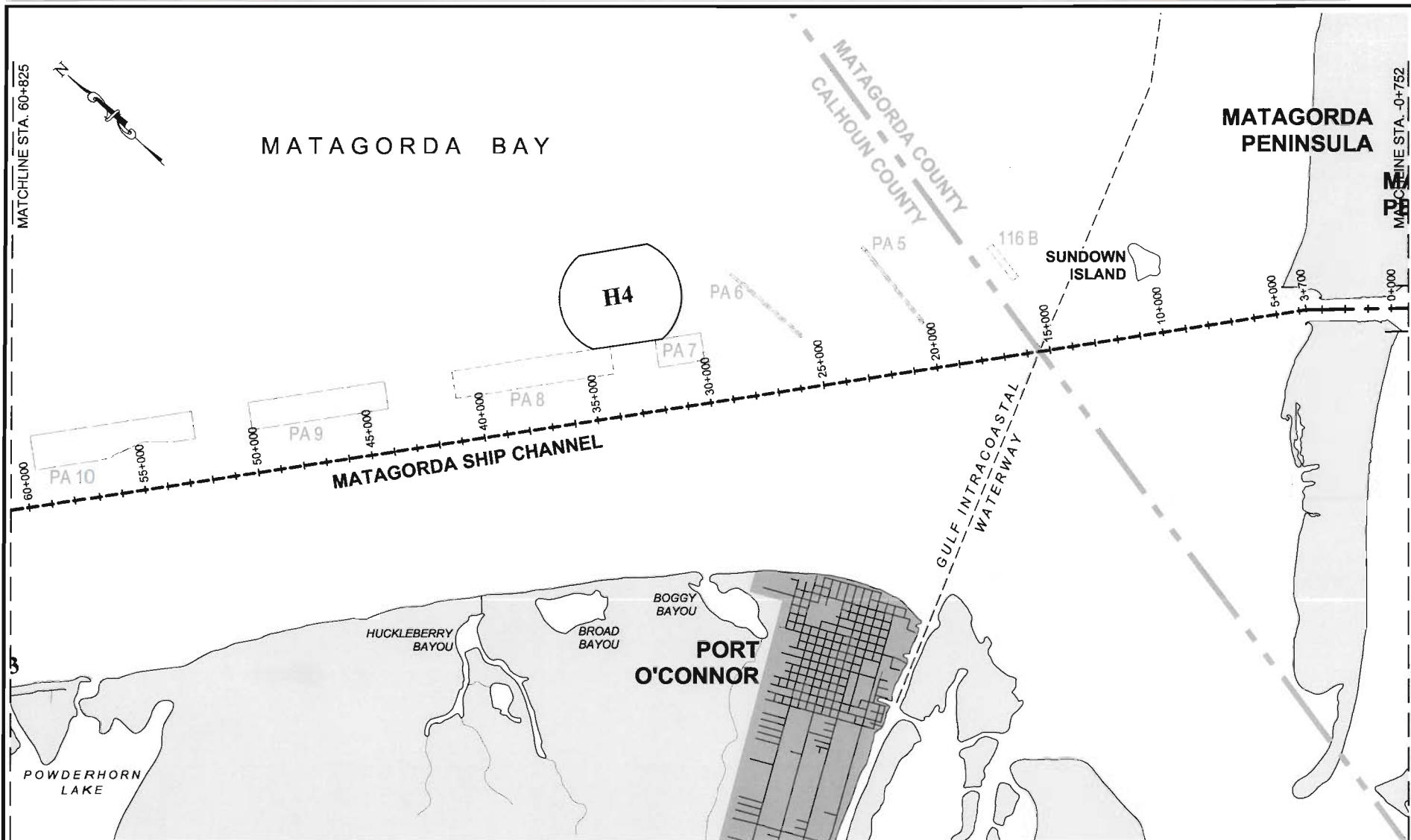
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. 24071

URS

FIGURE 12 OF 46



LEGEND:

PA 17 EXISTING PLACEMENT AREA

G OR A1 PROPOSED PLACEMENT AREA

NOTE: COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.

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**PLACEMENT AREA PLAN
STA. 60+825 TO STA. -0+752**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

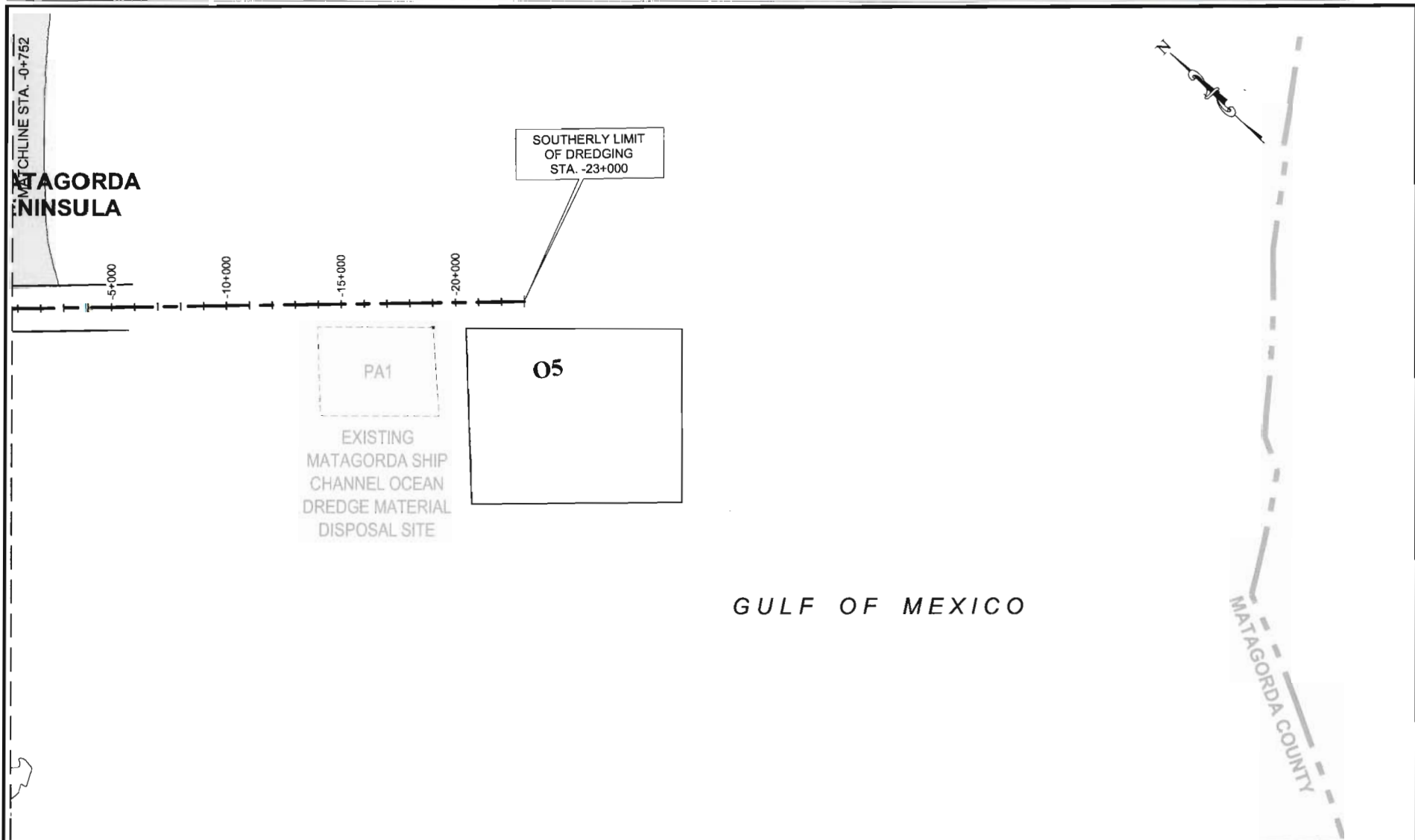
Revised 3-15-07

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. 24071

FIGURE 13 OF 46

URS



0 6000 12000
APPROXIMATE SCALE IN FEET

LEGEND:

PA 17 EXISTING PLACEMENT AREA
G OR A1 PROPOSED PLACEMENT AREA

NOTE: COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.

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**PLACEMENT AREA PLAN
STA. -0+752 TO -23+000**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

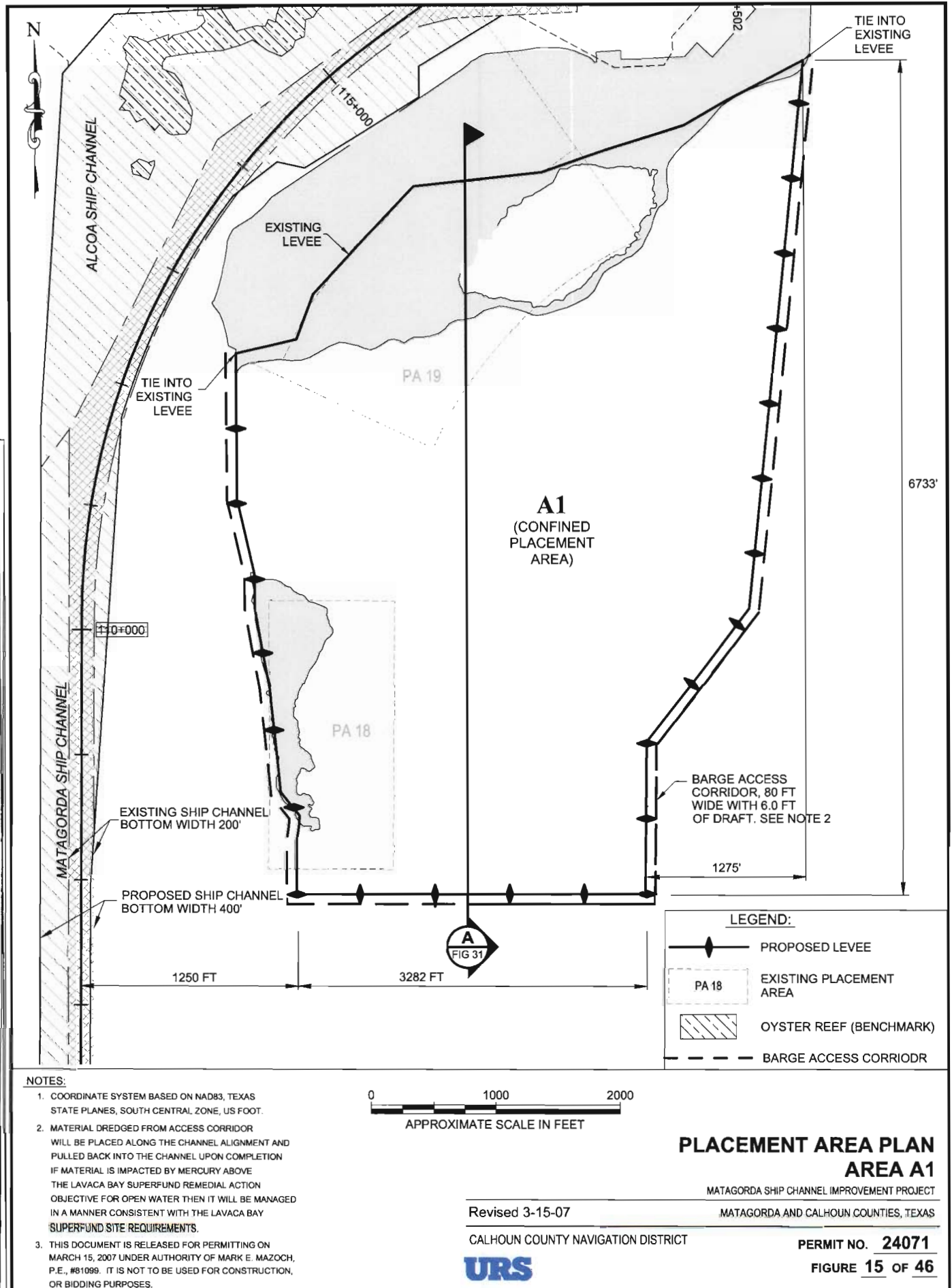
Revised 3-15-07

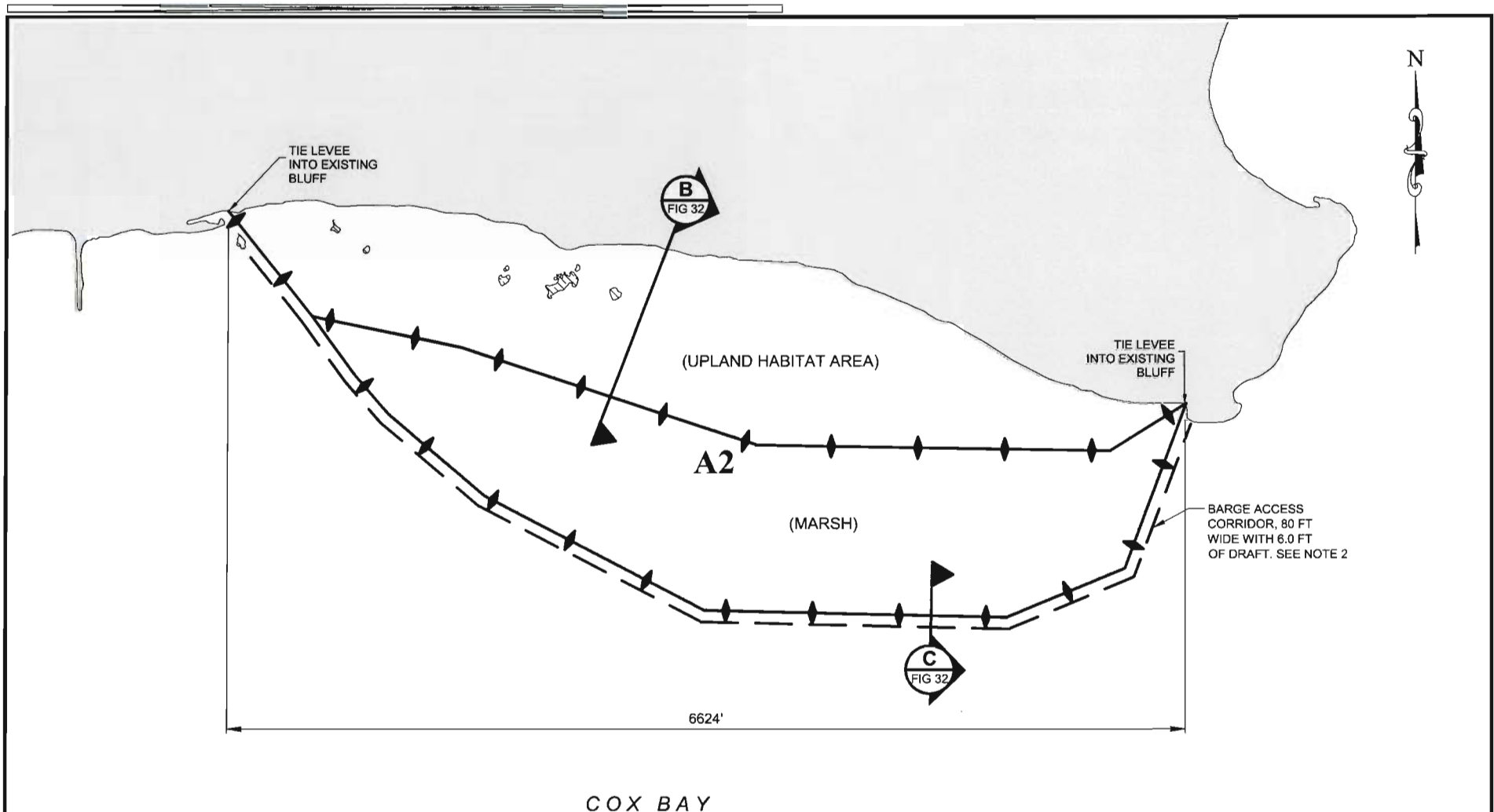
CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. 24071

FIGURE 14 OF 46

URS





NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
2. MATERIAL DREDGED FROM ACCESS CORRIDOR WILL BE PLACED ALONG THE CHANNEL ALIGNMENT AND PULLED BACK INTO THE CHANNEL UPON COMPLETION. IF MATERIAL IS IMPACTED BY MERCURY ABOVE THE LAVACA BAY SUPERFUND REMEDIAL ACTION OBJECTIVE FOR OPEN WATER THEN IT WILL BE MANAGED IN A MANNER CONSISTENT WITH THE LAVACA BAY SUPERFUND SITE REQUIREMENTS
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LEGEND:

- ◆— PROPOSED LEVEE
- ▨ OYSTER REEF (BENCHMARK)
- - - - - BARGE ACCESS CORRIDOR

**PLACEMENT AREA PLAN
AREA A2**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

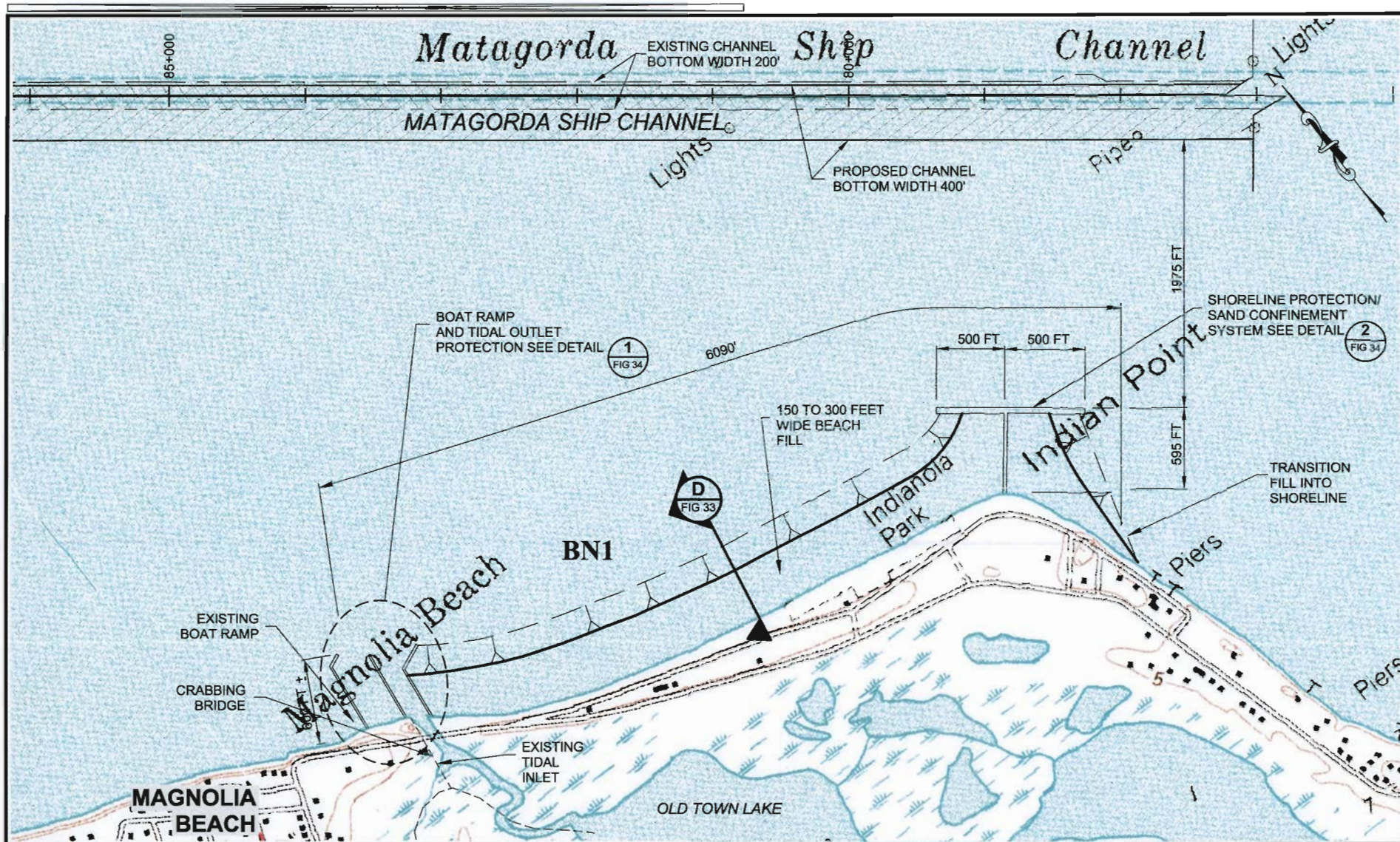
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **16** OF **46**

URS

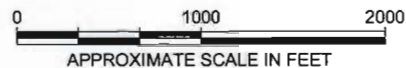


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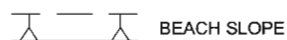
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Source:

U.S.G.S. 7.5-minute Series Topographic Maps for Point Comfort (1995), Port Lavaca East (1995), Olivia (1995) and Keller Bay (1951) Texas Quadrangles.



LEGEND:



PLACEMENT AREA PLAN AREA BN1

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

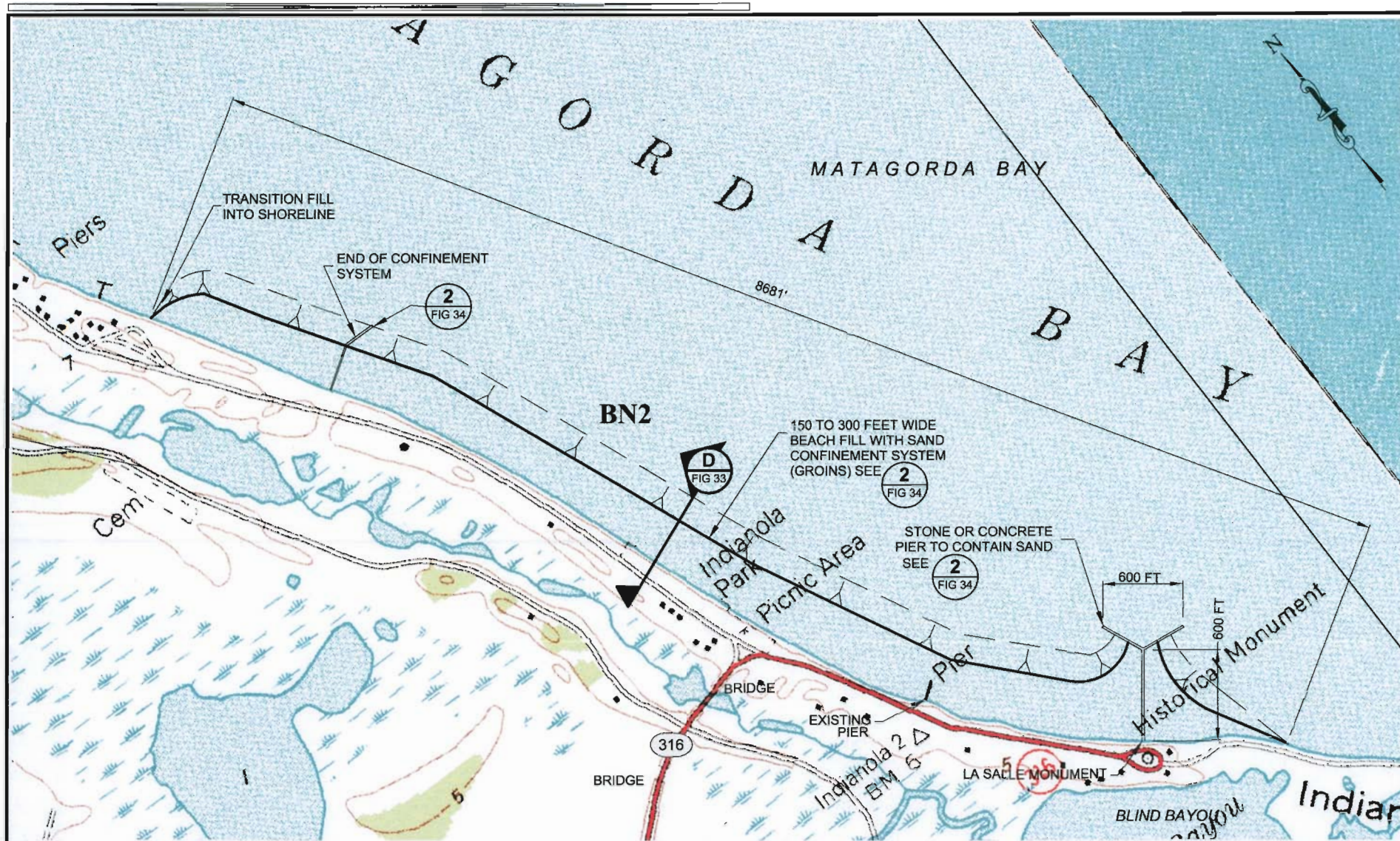
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CALHOUN COUNTY NAVIGATION DISTRICT

URS

PERMIT NO. 24071

FIGURE 17 OF 46

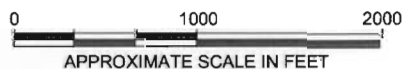


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Source:

U.S.G.S. 7.5-minute Series Topographic Maps for Point Comfort (1995), Port Lavaca East (1995), Olivia (1995) and Keller Bay (1951) Texas Quadrangles.



LEGEND:



PLACEMENT AREA PLAN AREA BN2

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

Revised 3-15-07

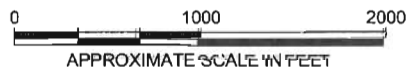
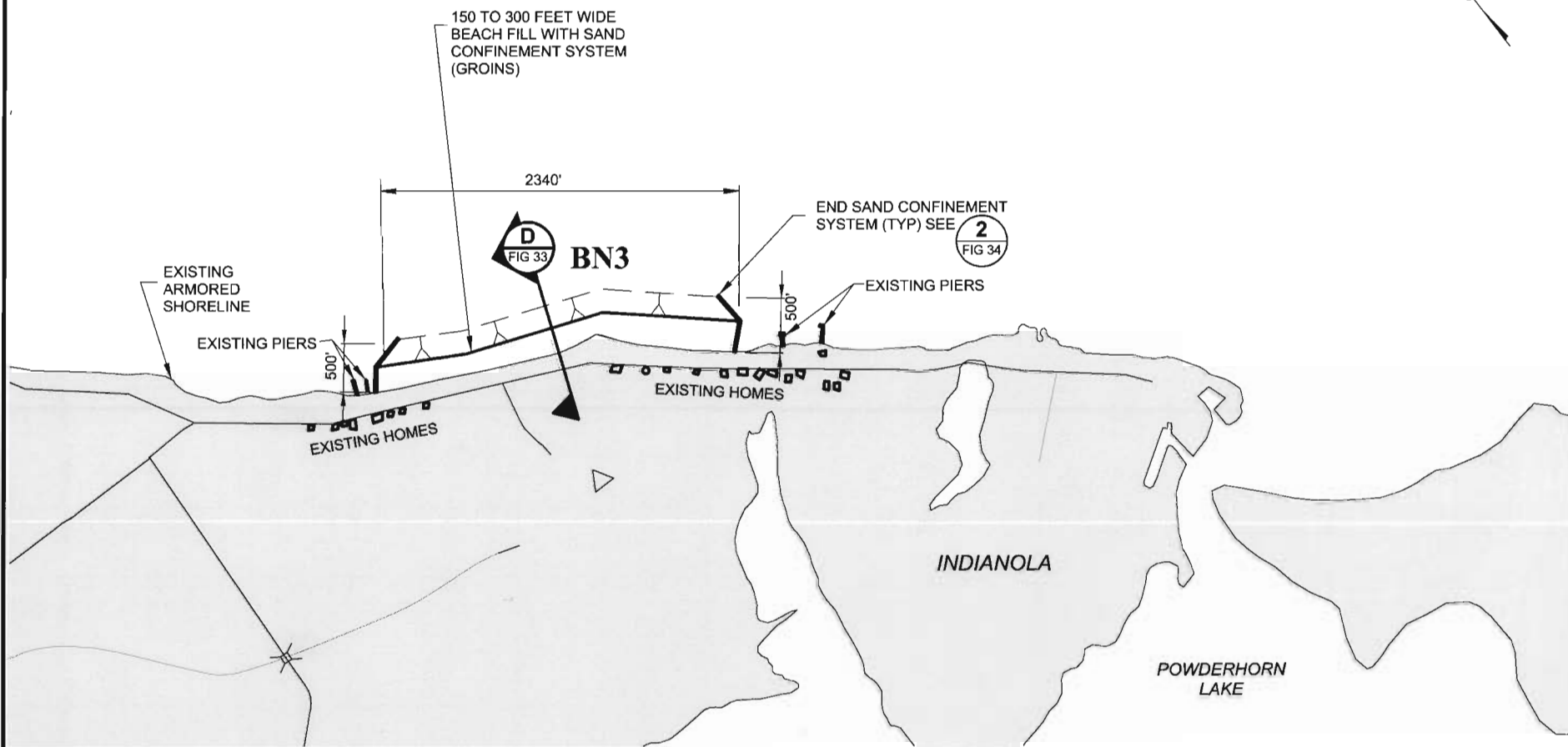
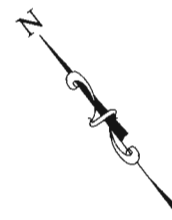
CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. 24071

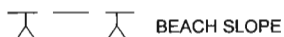
FIGURE 18 OF 46

URS

MATAGORDA BAY



LEGEND:



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
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PLACEMENT AREA PLAN AREA BN3

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

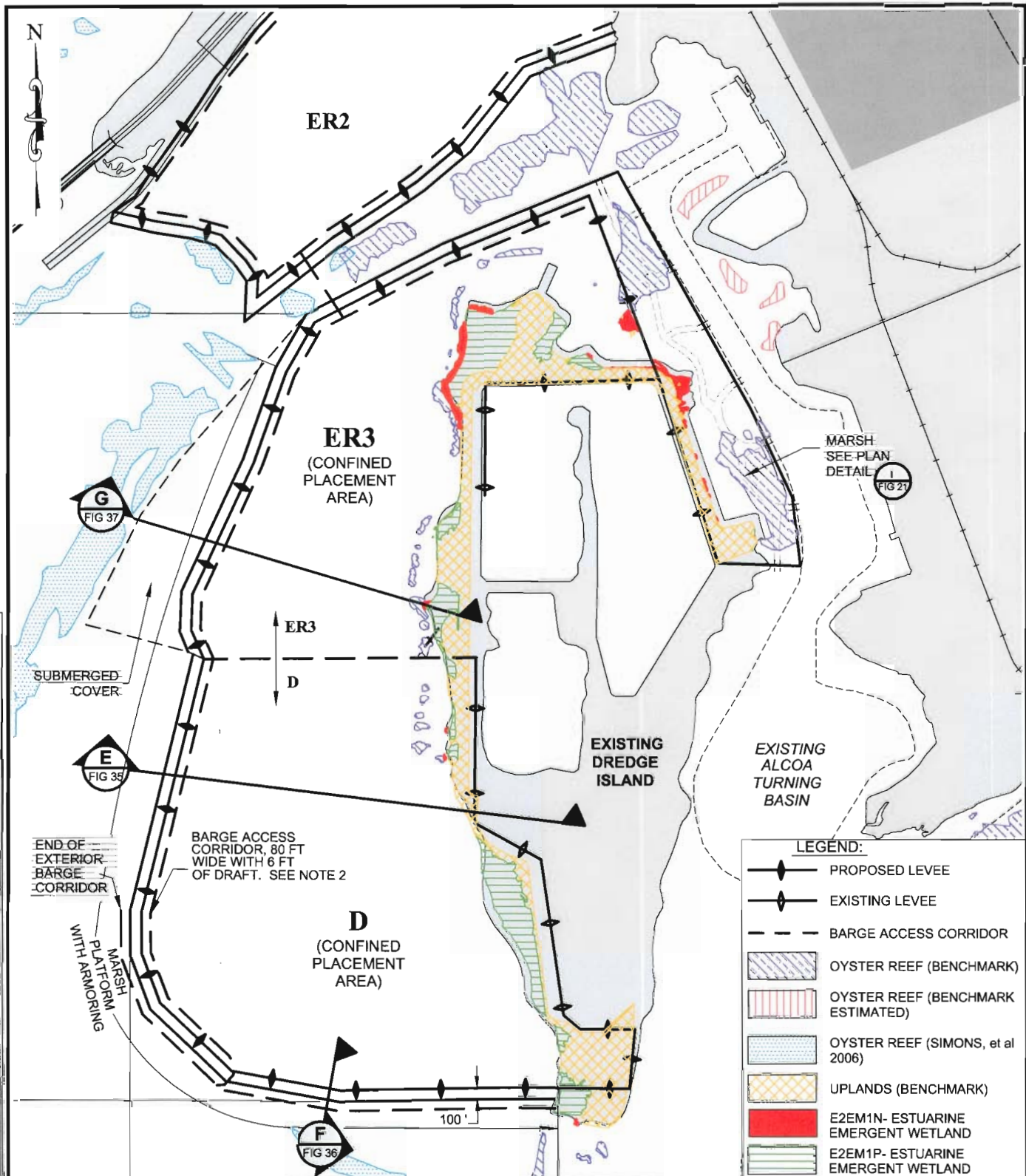
Revised 3-15-07

CALHOUN COUNTY NAVIGATION DISTRICT

URS

PERMIT NO. **24071**

FIGURE **19** OF **46**



NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
2. MATERIAL DREDGED FROM ACCESS CORRIDOR WILL BE PLACED ALONG THE CHANNEL ALIGNMENT AND PULLED BACK INTO THE CHANNEL UPON COMPLETION. IF MATERIAL IS IMPACTED BY MERCURY ABOVE THE LAVACA BAY SUPERFUND REMEDIAL ACTION OBJECTIVE FOR OPEN WATER THEN IT WILL BE MANAGED IN A MANNER WITH THE LAVACA BAY SUPERFUND SITE REQUIREMENTS
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0 1200 2400
APPROXIMATE SCALE IN FEET

LEGEND:

- PROPOSED LEVEE
- EXISTING LEVEE
- - - BARGE ACCESS CORRIDOR
- [Blue Hatched Box] OYSTER REEF (BENCHMARK)
- [Red Hatched Box] OYSTER REEF (BENCHMARK ESTIMATED)
- [Light Blue Box] OYSTER REEF (SIMONS, et al 2006)
- [Yellow Box] UPLANDS (BENCHMARK)
- [Red Box] E2EM1N- ESTUARINE EMERGENT WETLAND
- [Green Box] E2EM1P- ESTUARINE EMERGENT WETLAND

PLACEMENT AREA PLAN AREAS D and ER3

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

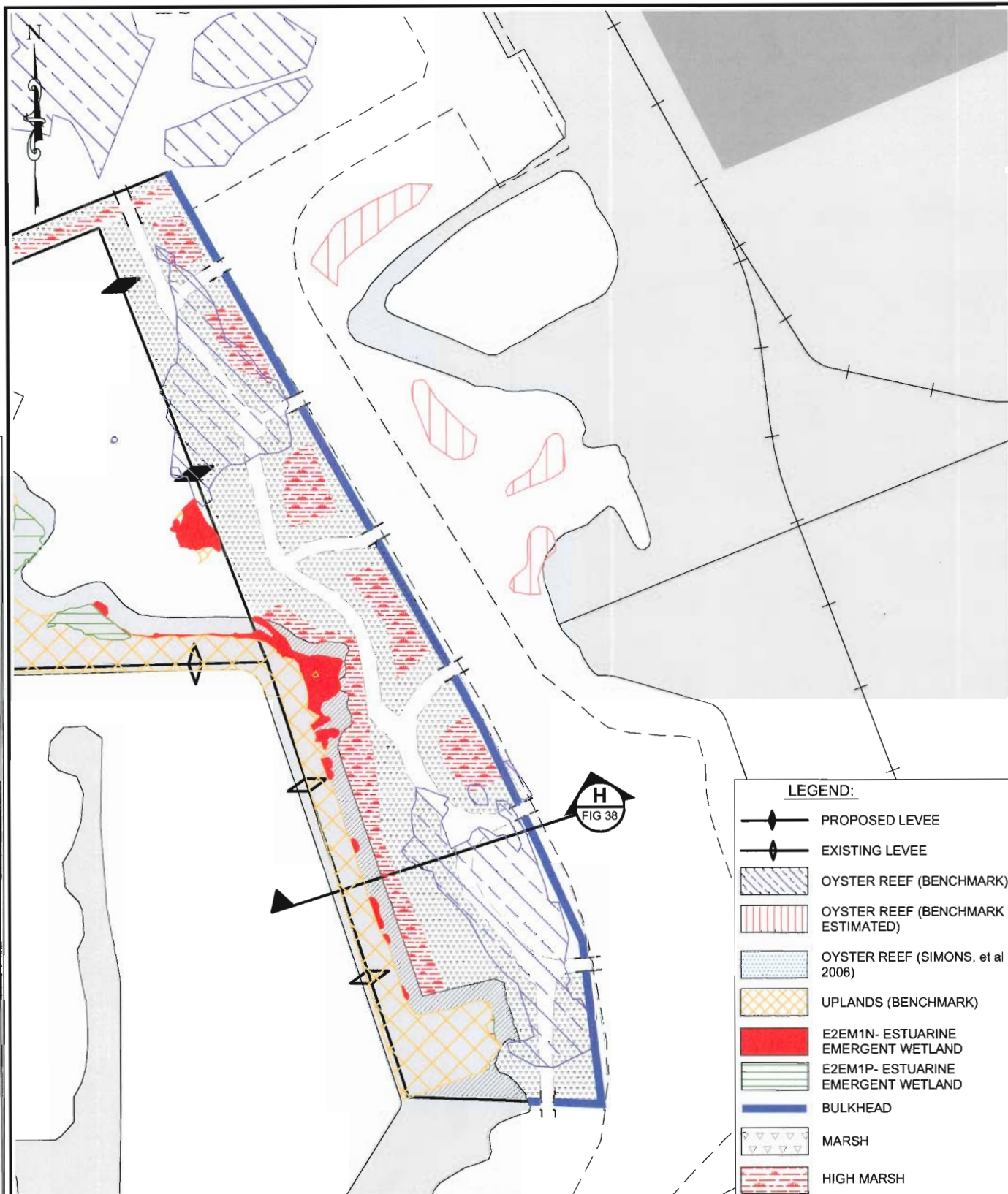
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CALHOUN COUNTY NAVIGATION DISTRICT

URS

PERMIT NO. 24071

FIGURE 20 OF 46



0 500 1000

APPROXIMATE SCALE IN FEET

NOTES:

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**PLACEMENT AREA PLAN
AREA ER3 MARSH**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

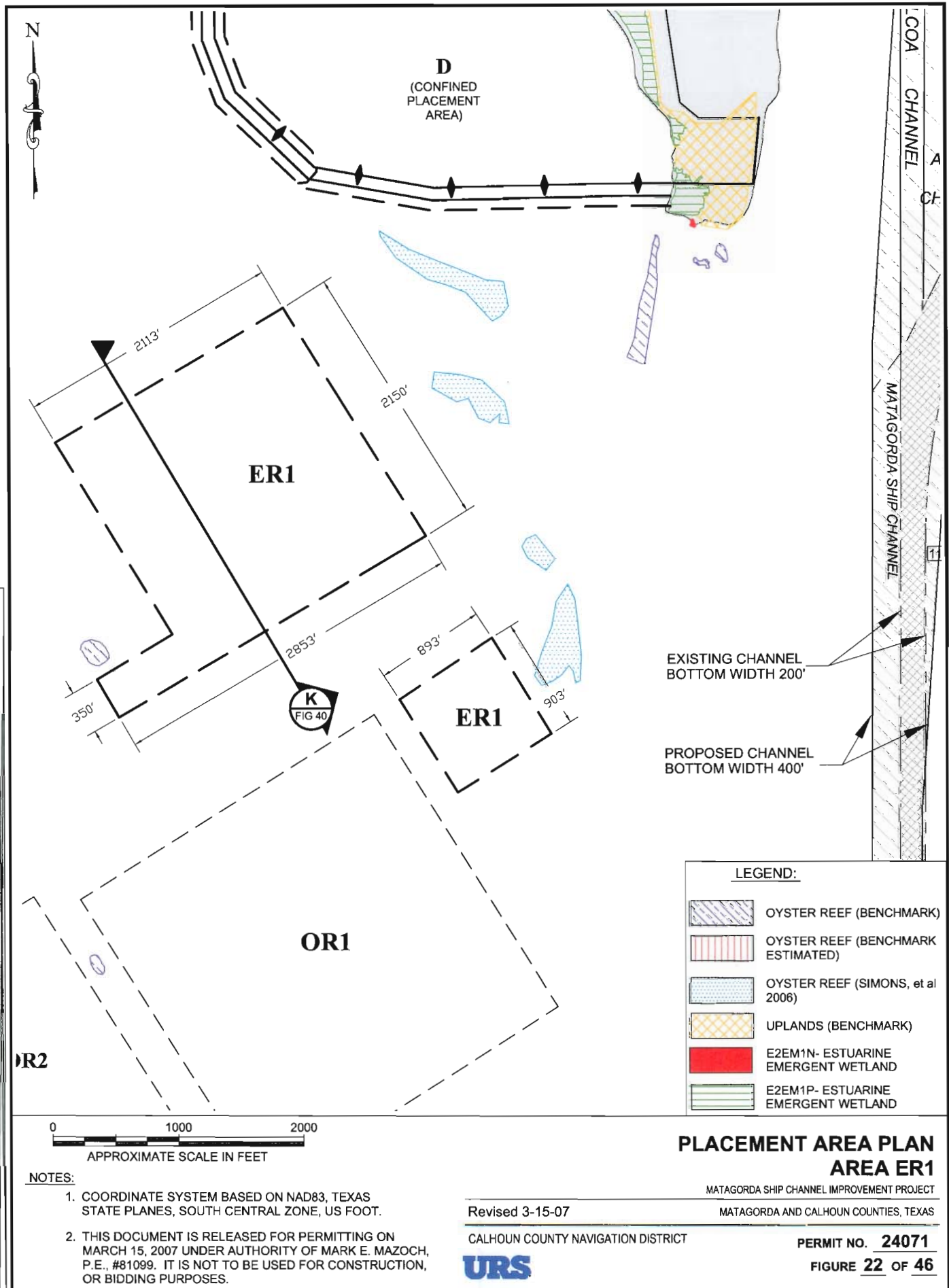
Revised 3-15-07

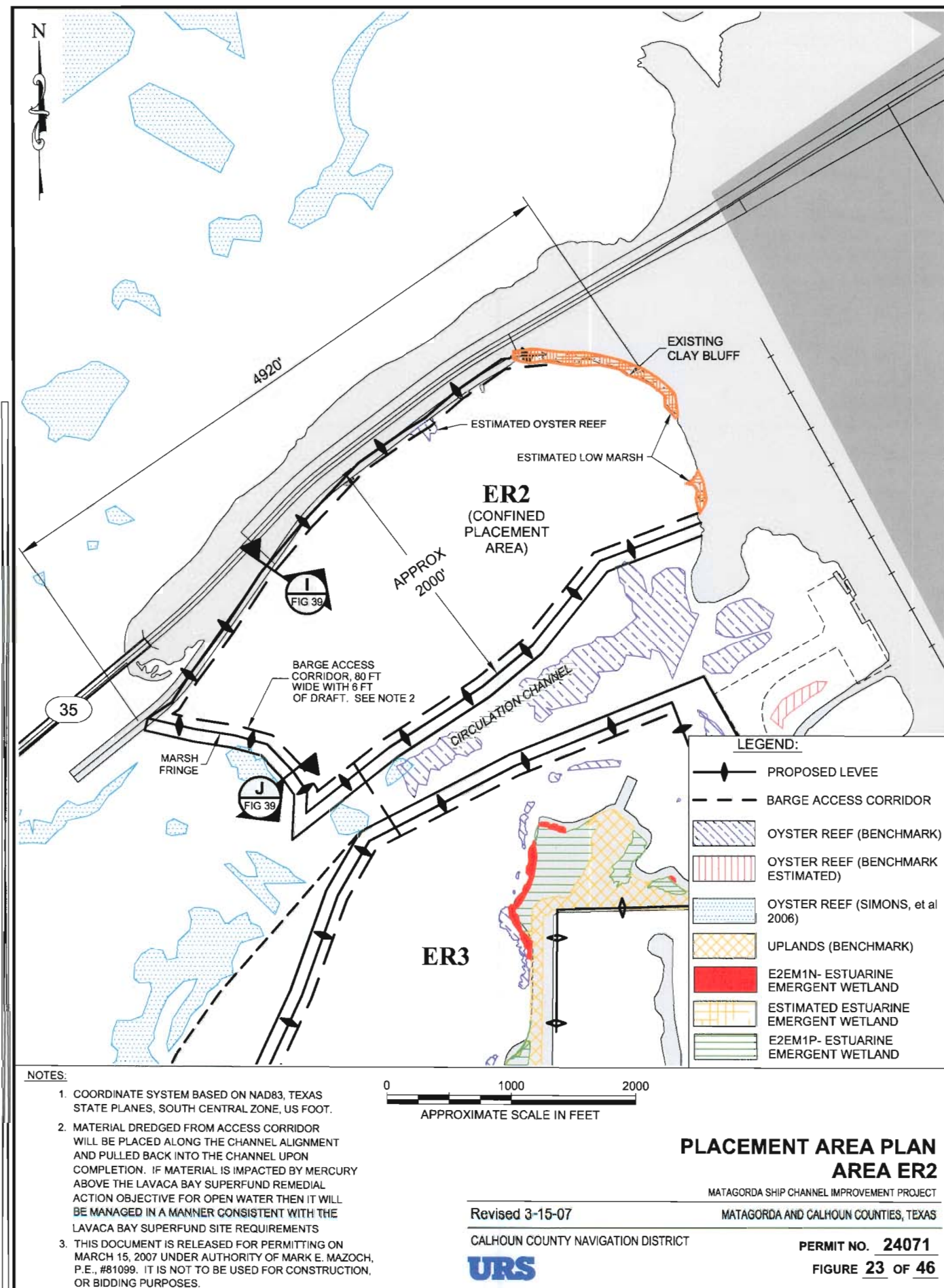
CALHOUN COUNTY NAVIGATION DISTRICT

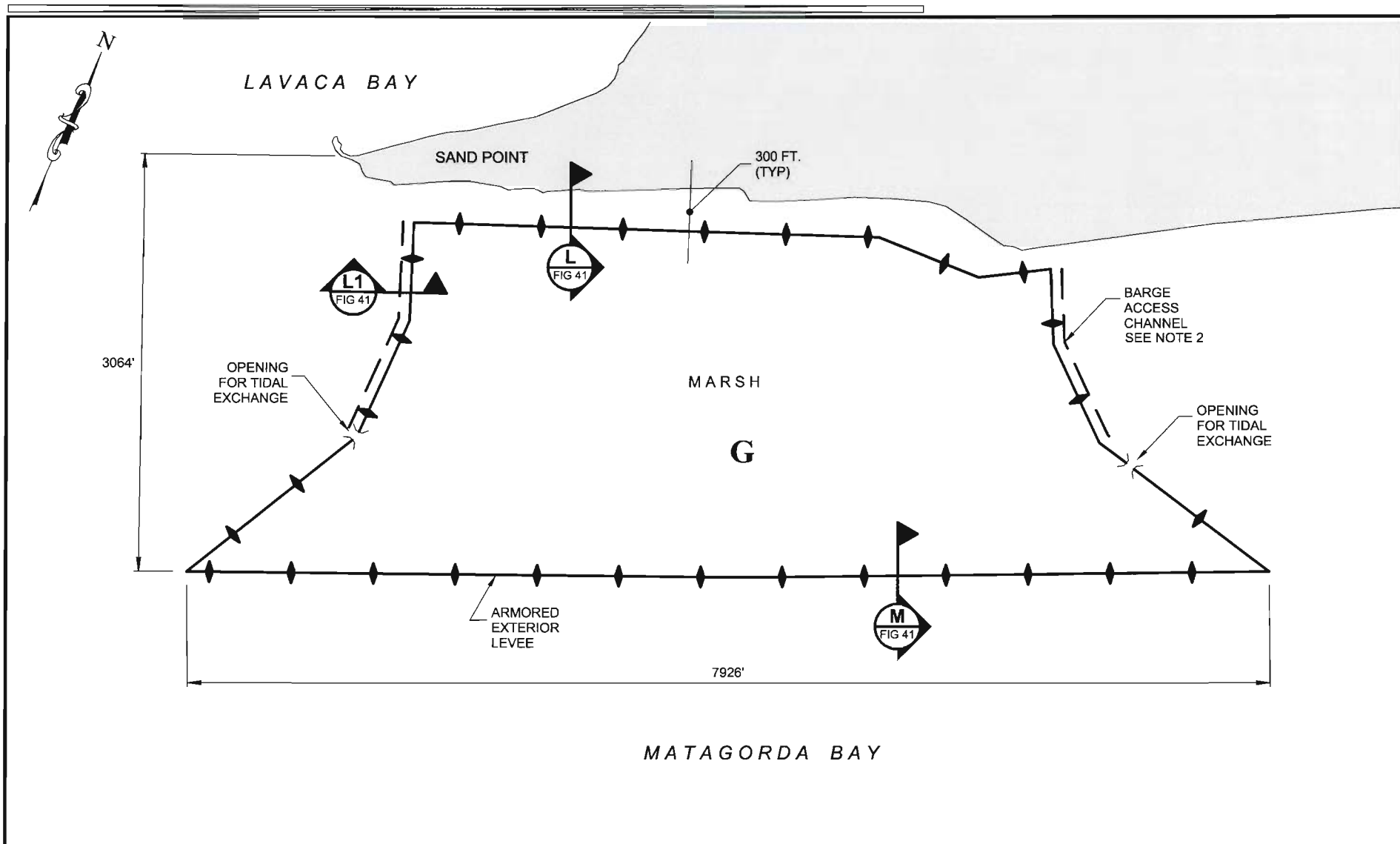
PERMIT NO. **24071**

FIGURE **21** OF **46**

URS

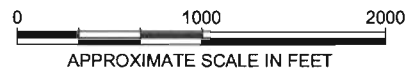






NOTES:

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2. MATERIAL DREDGED FROM ACCESS CORRIDOR WILL BE PLACED ALONG THE CHANNEL ALIGNMENT AND PULLED BACK INTO THE CHANNEL UPON COMPLETION.
3. THIS DOCUMENT IS RELEASED FOR PERMITTING ON MARCH 15, 2007 UNDER AUTHORITY OF MARK E. MAZUCH, P.E., #81099. IT IS NOT TO BE USED FOR CONSTRUCTION, OR BIDDING PURPOSES.



LEGEND:

- ◆— PROPOSED LEVEE
- - - BARGE ACCESS CORRIDOR

**PLACEMENT AREA PLAN
AREA G**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

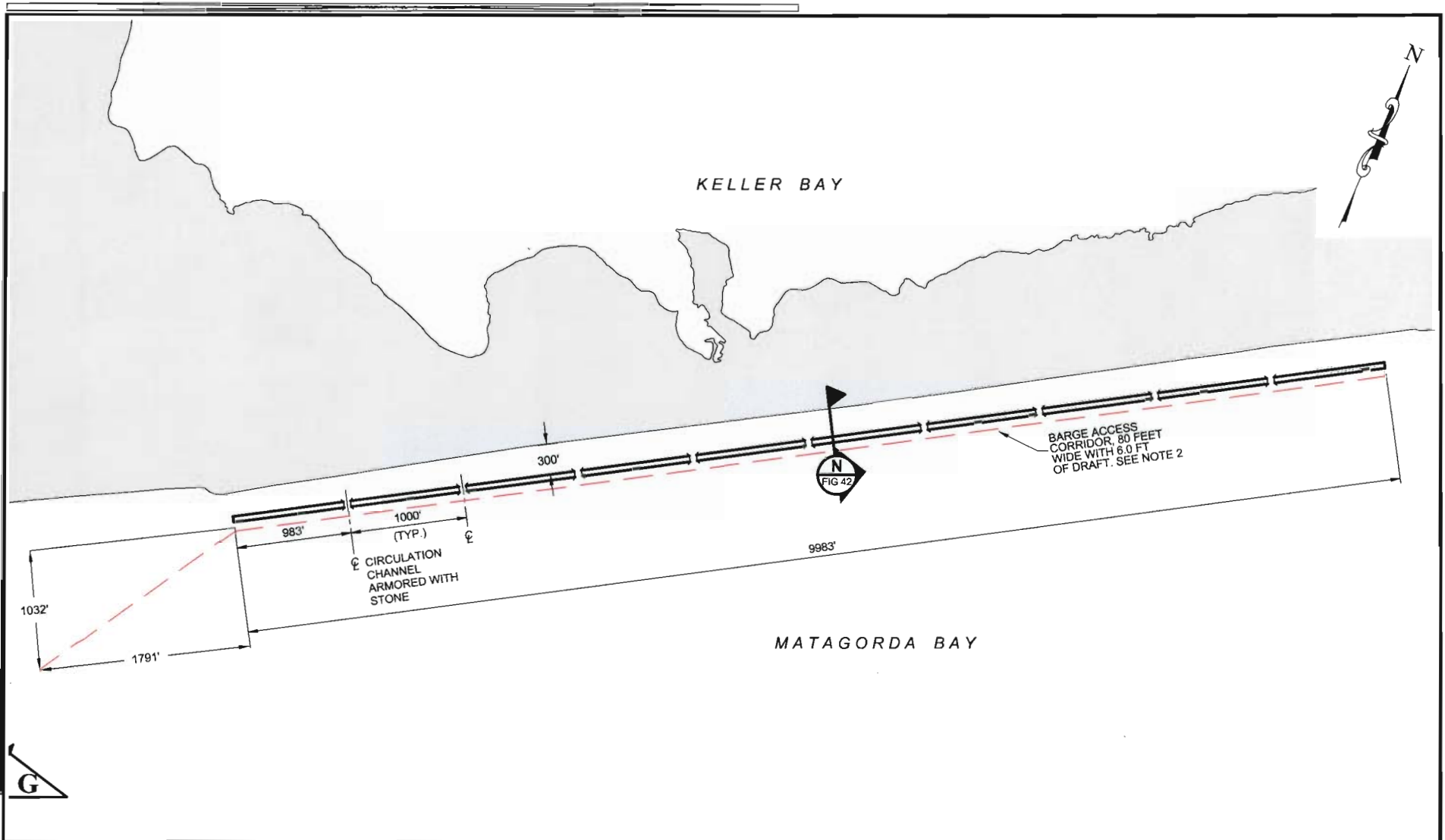
Revised 3-15-07

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **24** OF **46**

URS





NOTES:

1. COORDINATE SYSTEM BASED ON NAD83, TEXAS STATE PLANES, SOUTH CENTRAL ZONE, US FOOT.
2. MATERIAL DREDGED FROM ACCESS CORRIDOR WILL BE PLACED ALONG THE CHANNEL ALIGNMENT AND PULLED BACK INTO THE CHANNEL UPON COMPLETION.
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0 1200 2400
APPROXIMATE SCALE IN FEET

LEGEND:

-  CIRCULATION CHANNEL
 BARGE ACCESS CORRIDOR

PLACEMENT AREA PLAN AREA G LEVEE

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

Revised 3-15-07

CALHOUN COUNTY NAVIGATION DISTRICT

URS

PERMIT NO. **24071**

FIGURE **25** OF **46**

MATAGORDA
BAY

O
FIG 43

SILTY SAND
PLATFORM
CONDUCTIVE
TO SEAGRASS

ARMORED OPENINGS FOR
CIRCULATION (10 TOTAL)

P
FIG 44

25 ACRE
BIRD ISLAND

H4

PA 8

MARSH ISLANDS
(100 ACRES TOTAL)

PA 7

LEGEND:

—◆— PROPOSED LEVEE

PA 18 EXISTING PLACEMENT
AREA

EXISTING CHANNEL
BOTTOM WIDTH 200'

PROPOSED CHANNEL
BOTTOM WIDTH 400'

0 1000 2000
APPROXIMATE SCALE IN FEET

NOTES:

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**PLACEMENT AREA PLAN
AREA H4**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

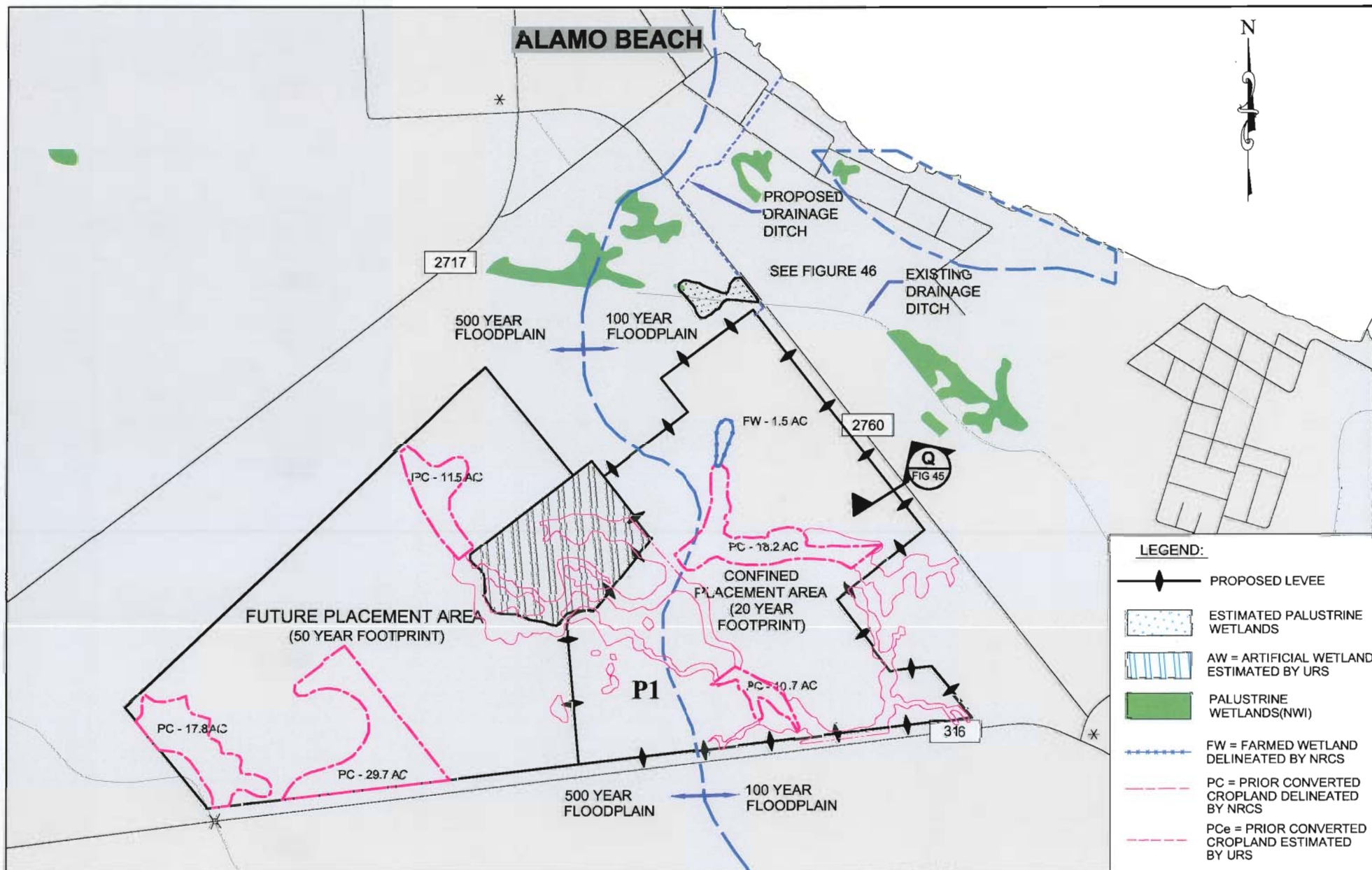
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CALHOUN COUNTY NAVIGATION DISTRICT

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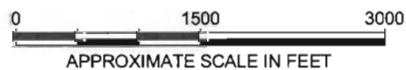
FIGURE **26** OF **46**

URS



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**PLACEMENT AREA PLAN
AREA P1**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

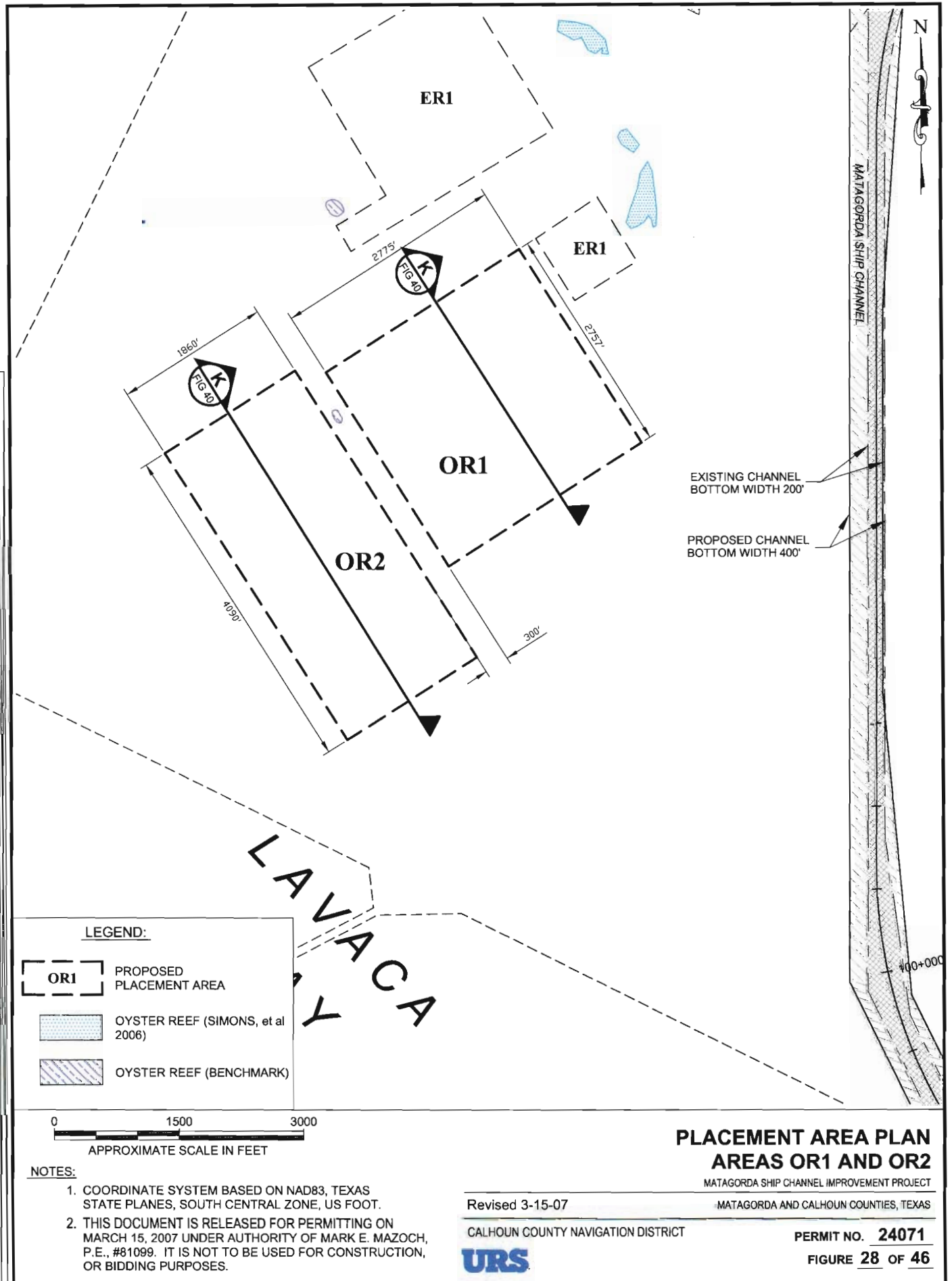
Revised 4-26-07

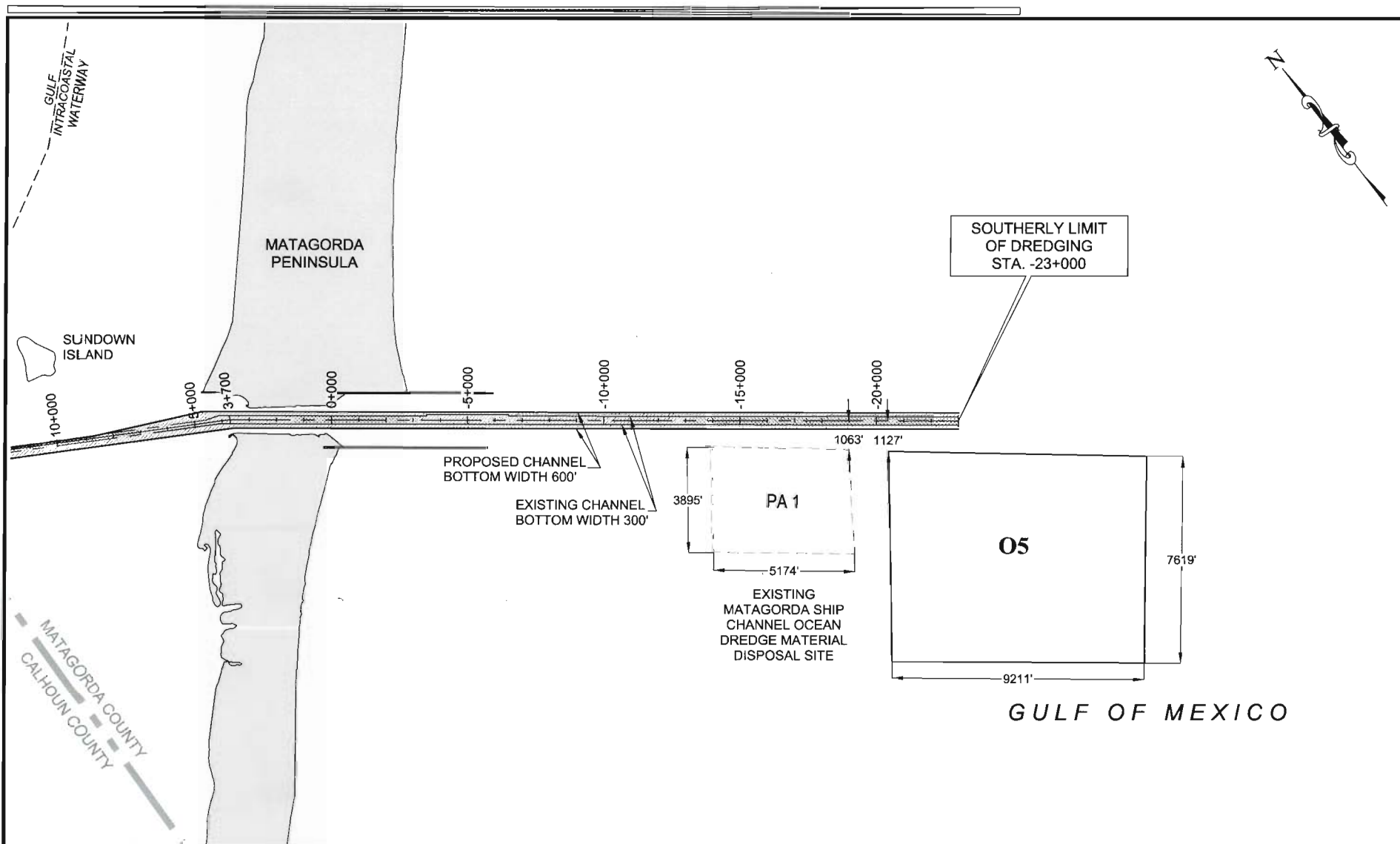
CALHOUN COUNTY NAVIGATION DISTRICT

URS

PERMIT NO. **24071**

FIGURE **27** OF **46**





0 5000 1000
APPROXIMATE SCALE IN FEET

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LEGEND:

- | | |
|----|-------------------------|
| 04 | EXISTING PLACEMENT AREA |
| 05 | PROPOSED PLACEMENT AREA |

**PLACEMENT AREA PLAN
AREA 05 AND EXISTING PA 1**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

MATAGORDA AND CALHOUN COUNTIES, TEXAS

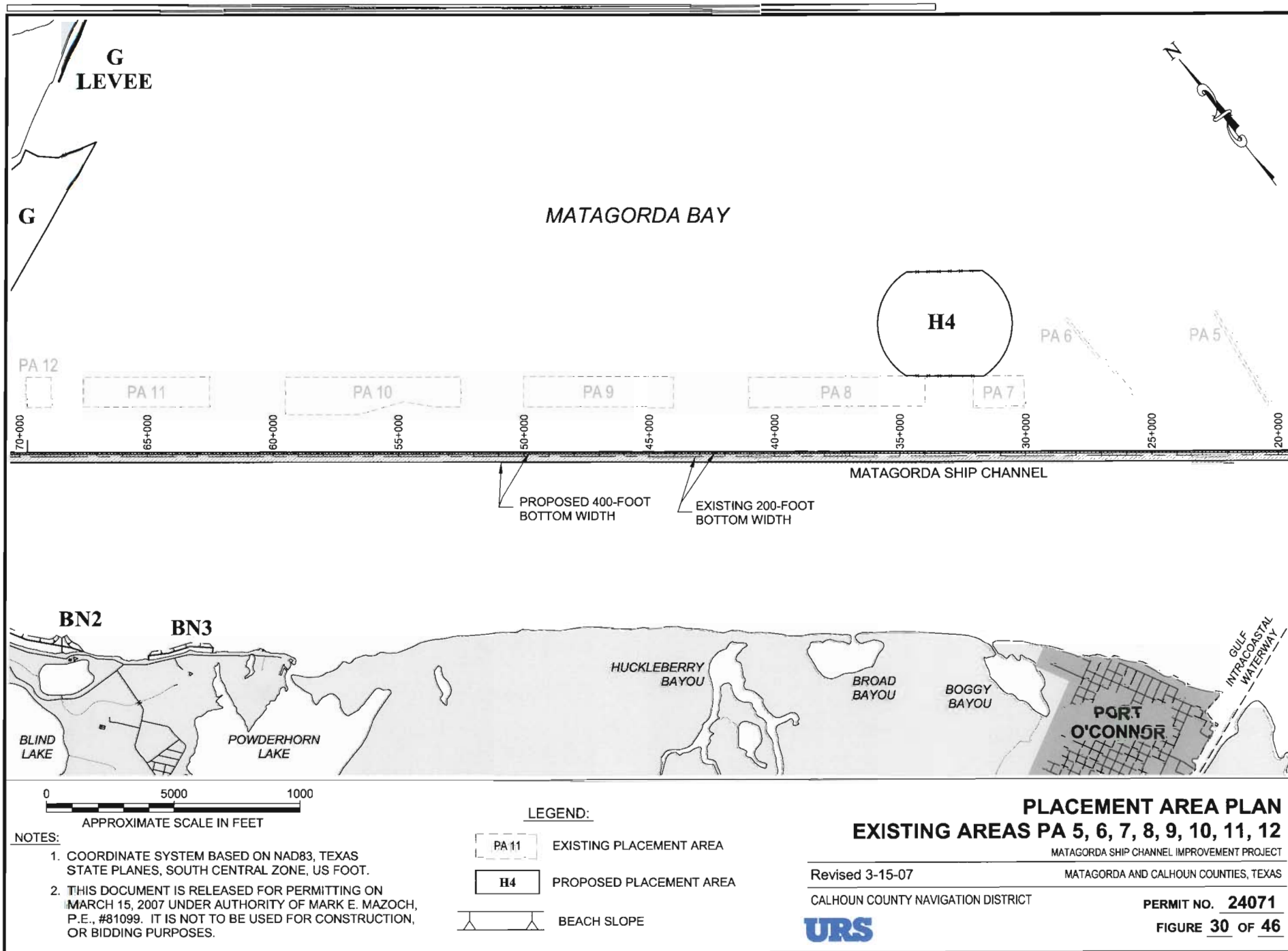
Revised 3-15-07

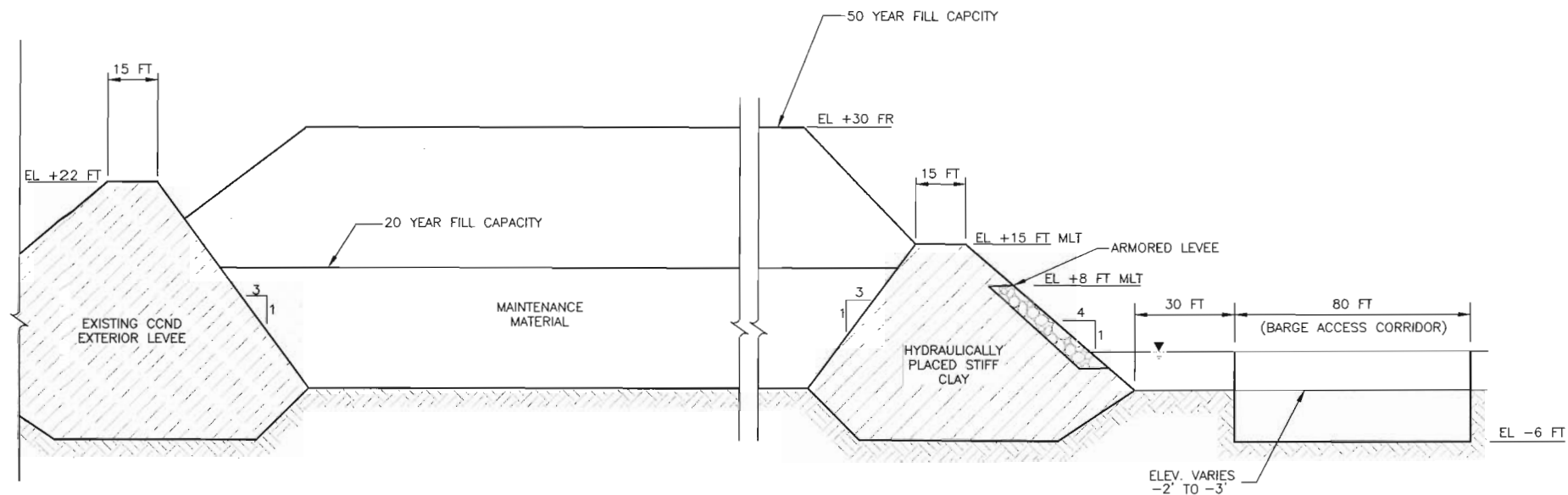
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PERMIT NO. **24071**

FIGURE **29** OF **46**

URS





A SECTION
15 NOT TO SCALE

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**PLACEMENT AREA SECTION
AREA A1**

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MATAGORDA AND CALHOUN COUNTIES, TEXAS

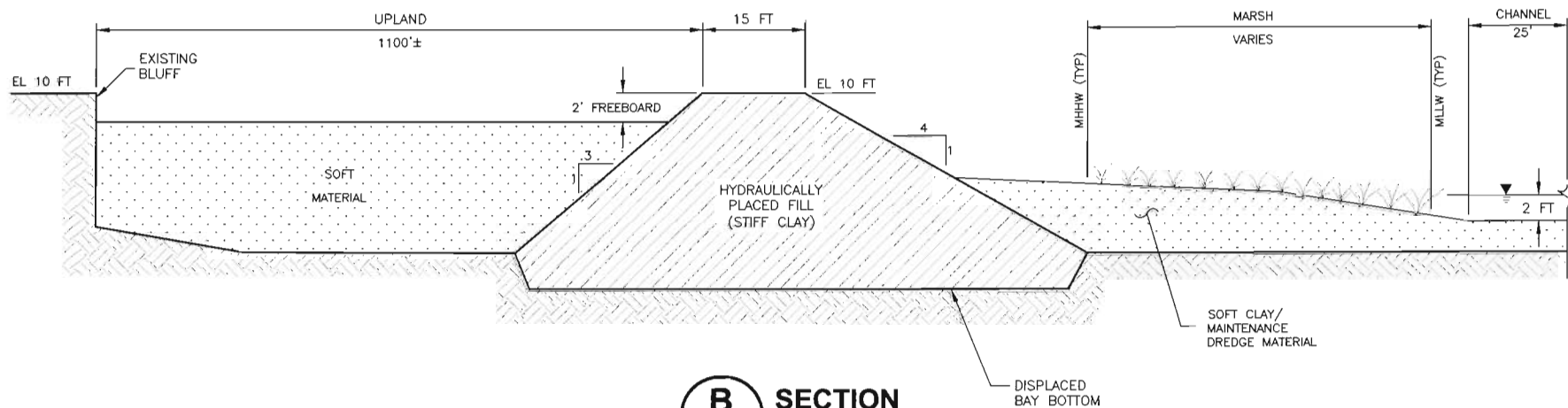
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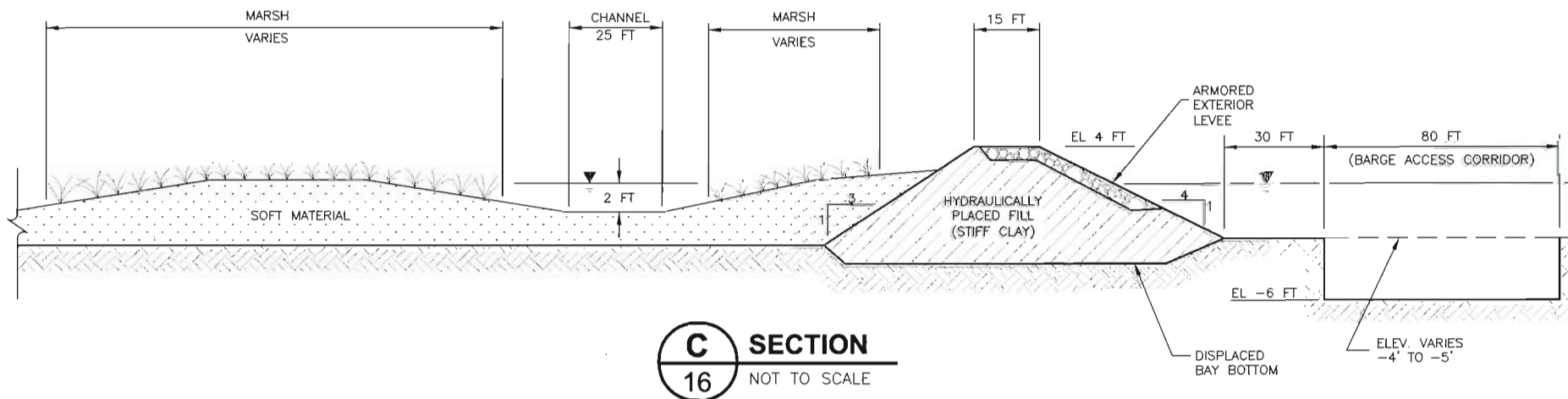
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FIGURE **31** OF **46**

URS



B SECTION
16 NOT TO SCALE



C SECTION
16 NOT TO SCALE

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**PLACEMENT AREA SECTION
AREA A2**

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Revised 3-15-07

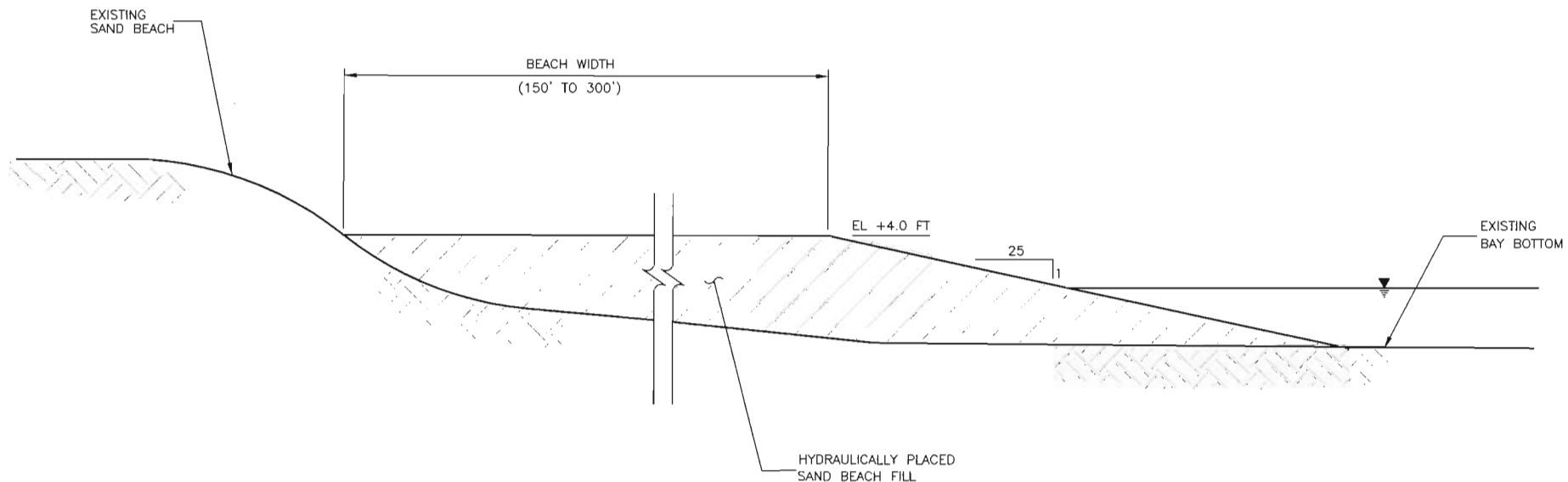
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. 24071

URS

FIGURE 32 OF 46



D SECTION
 17 18 19 NOT TO SCALE

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**PLACEMENT AREA SECTION
BN1, BN2, BN3**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

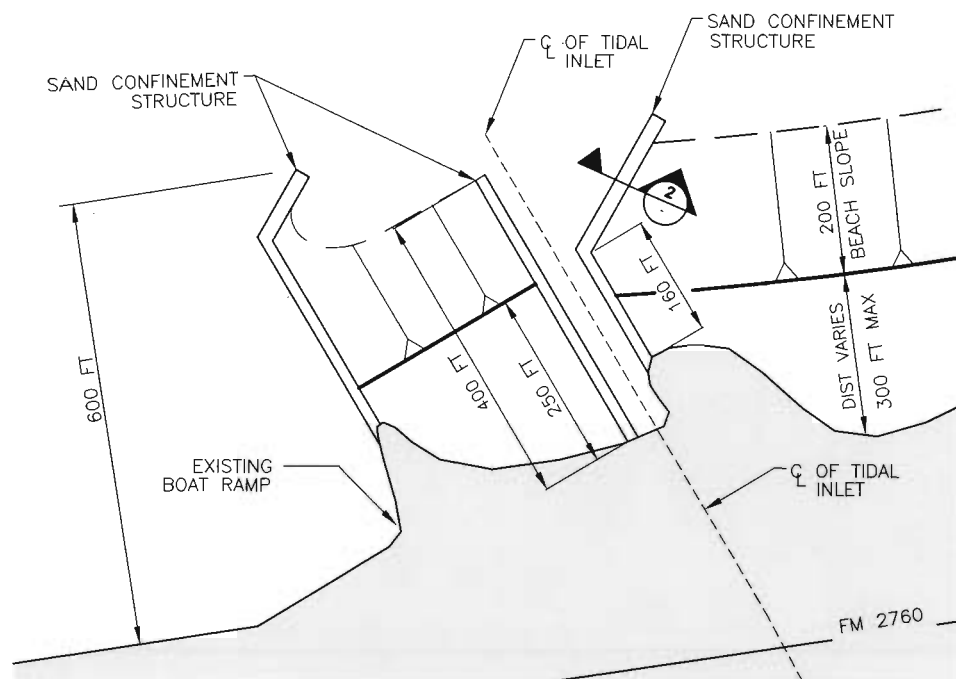
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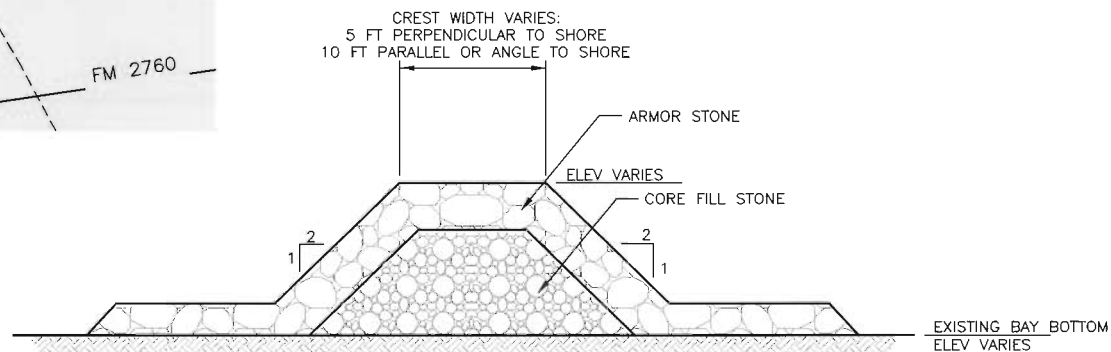
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FIGURE 33 OF 46



1
17 **DETAIL**
NOT TO SCALE



2
17 18 19 **DETAIL**
NOT TO SCALE

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**PLACEMENT AREA SECTION
BN1- BN3, CONFINEMENT STRUCTURES**

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Revised 3-15-07

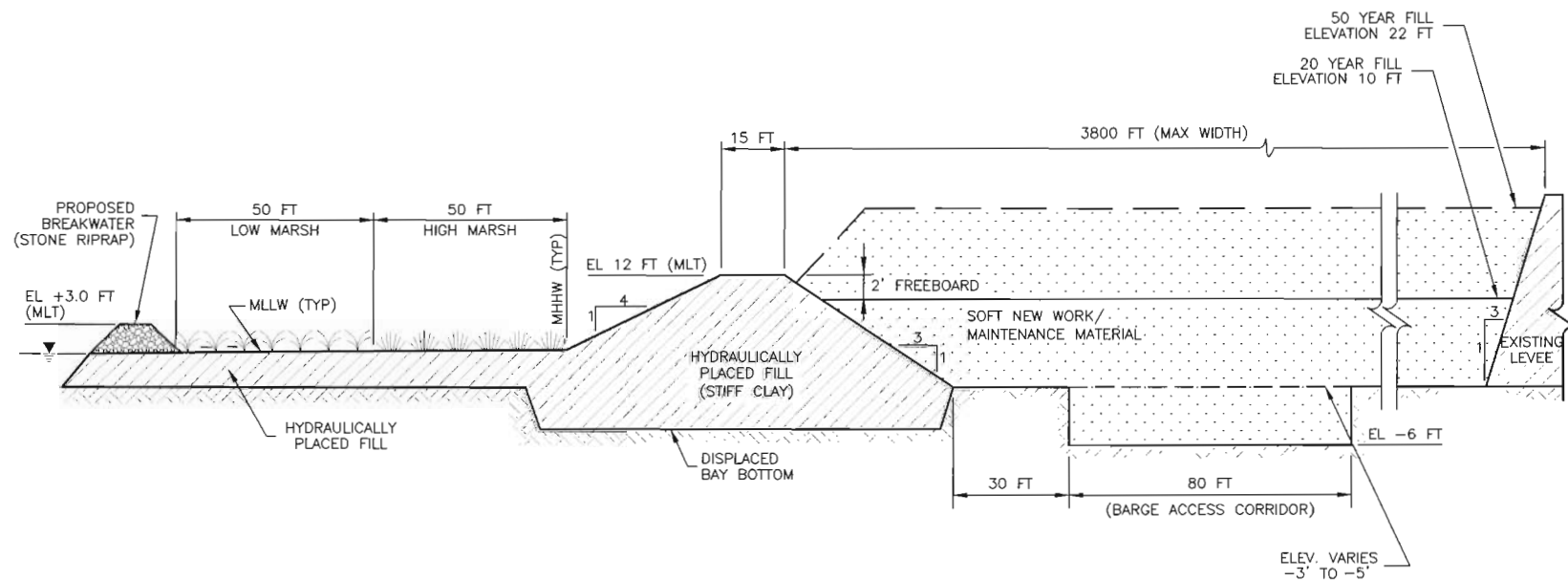
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FIGURE 34 OF 46



E SECTION
20 NOT TO SCALE

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**PLACEMENT AREA SECTION
AREA D**

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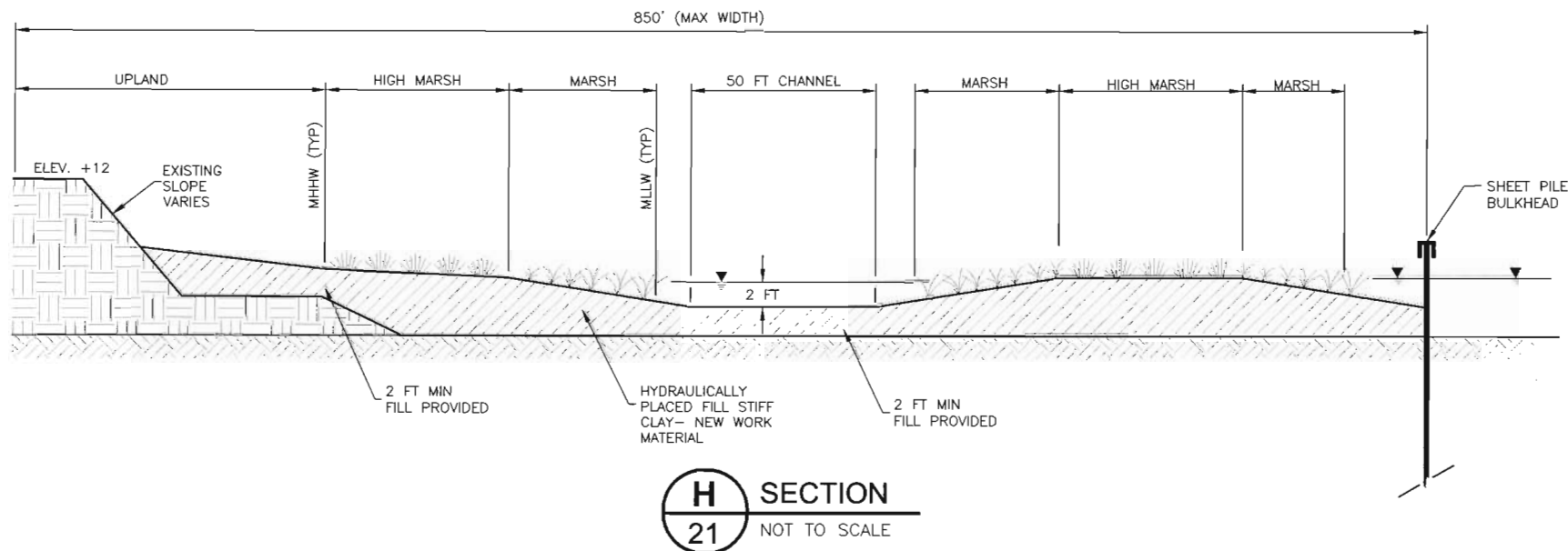
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CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **35** OF **46**

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**PLACEMENT AREA SECTION
AREA ER3- MARSH AREA**

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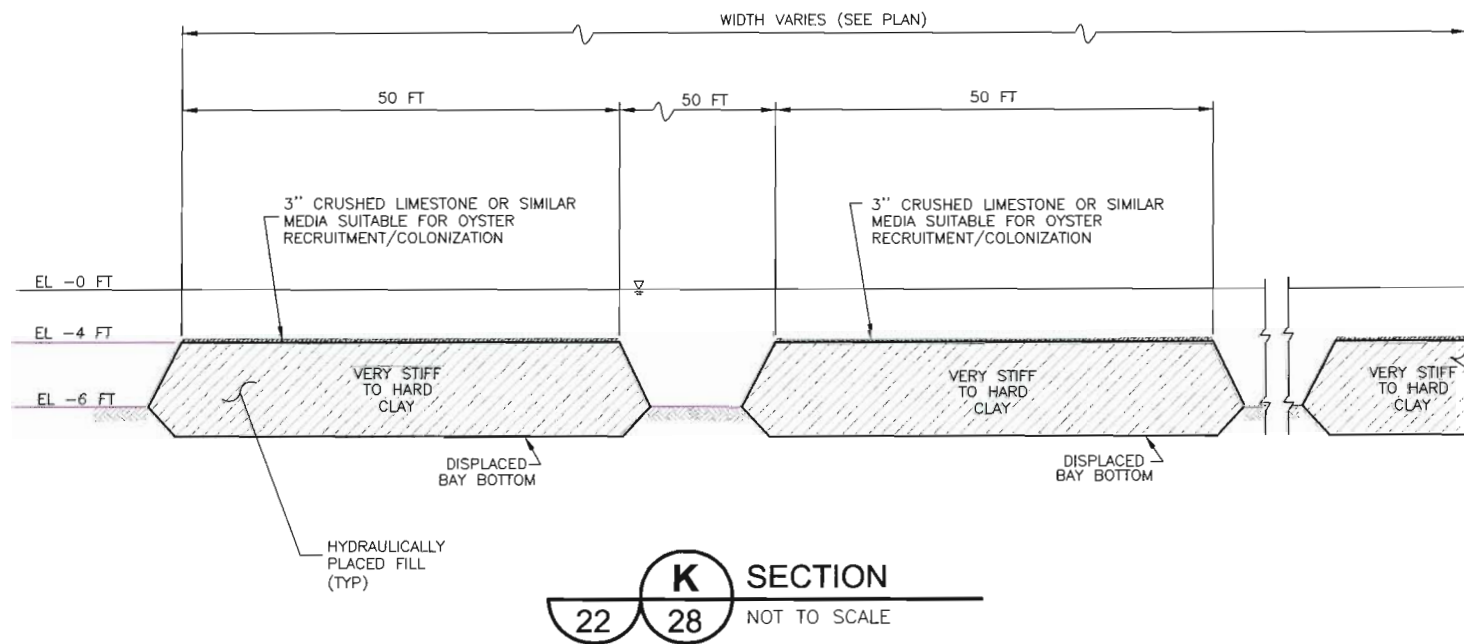
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FIGURE **38** OF **46**



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**PLACEMENT AREA SECTIONS
AREA ER1**

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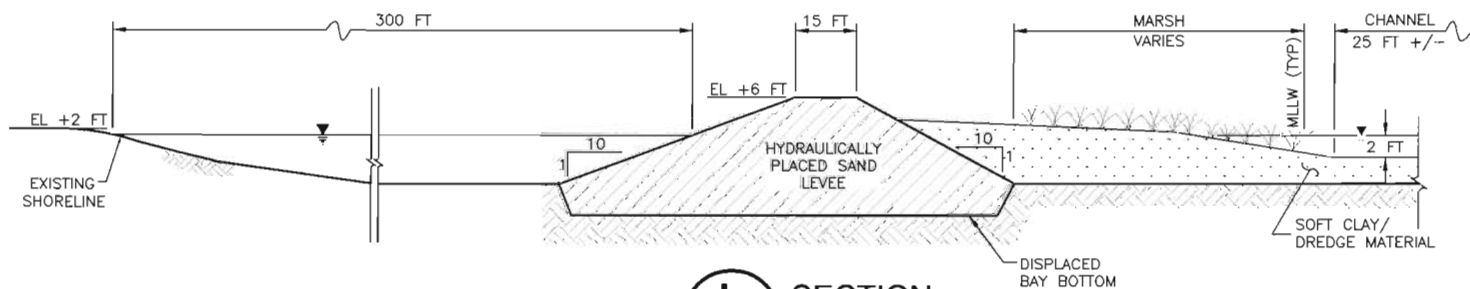
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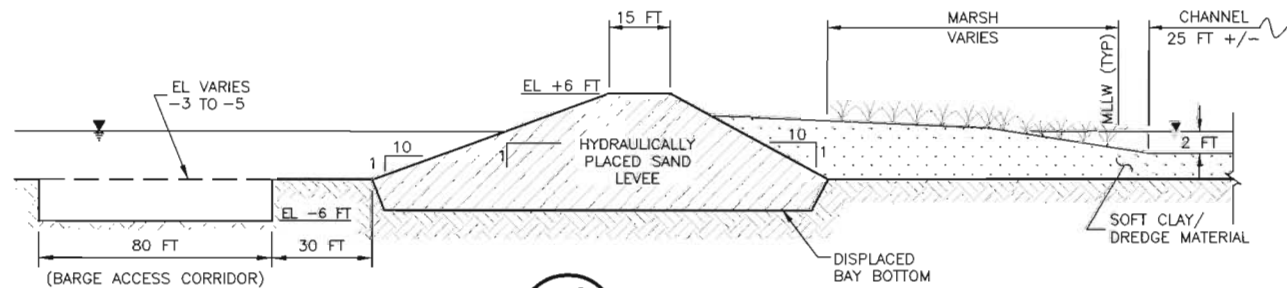
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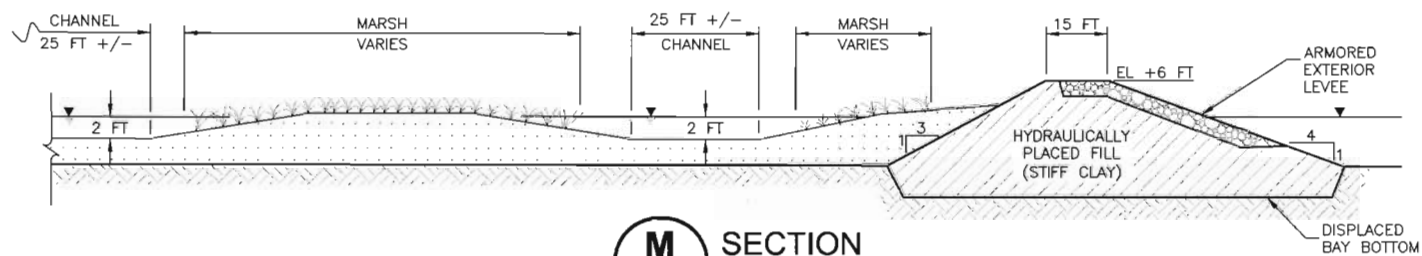
FIGURE **40** OF **46**



L
24 SECTION
NOT TO SCALE



L1
24 SECTION
NOT TO SCALE



M
24 SECTION
NOT TO SCALE

PLACEMENT AREA SECTIONS G MARSH

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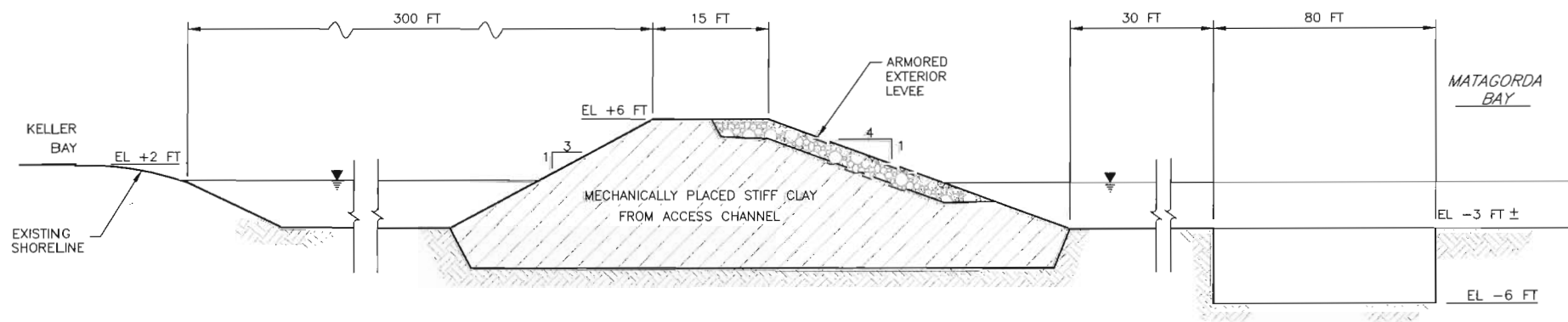
MATAGORDA AND CALHOUN COUNTIES, TEXAS

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PERMIT NO. **24071**

FIGURE **41** OF **46**

URS



N
25
SECTION
 NOT TO SCALE

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PLACEMENT AREA SECTION
G LEVEE

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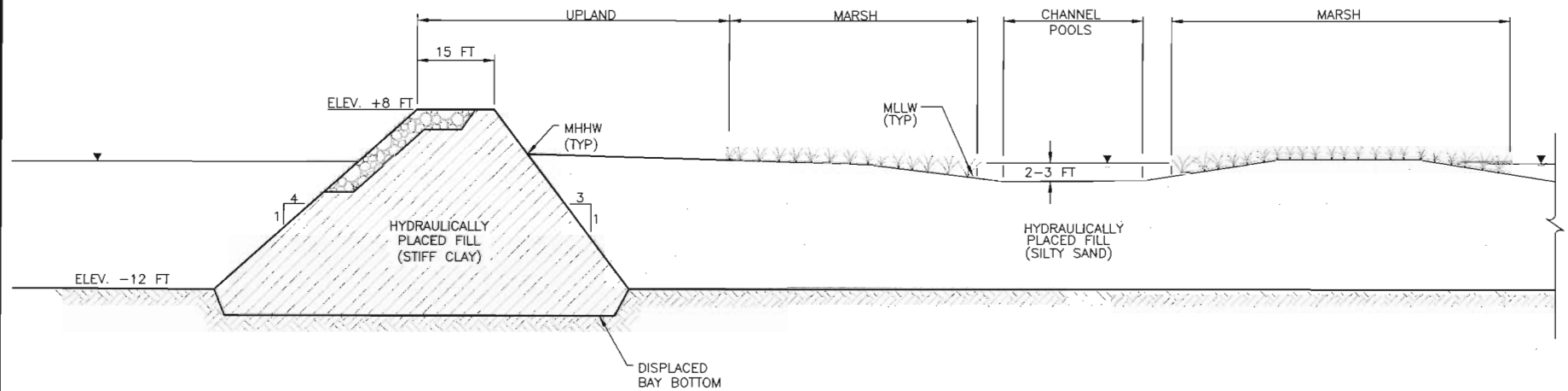
MATAGORDA AND CALHOUN COUNTIES, TEXAS

CALHOUN COUNTY NAVIGATION DISTRICT

PERMIT NO. **24071**

FIGURE **42** OF **46**

URS



O SECTION
26 NOT TO SCALE

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**PLACEMENT AREA SECTION
AREA H4**

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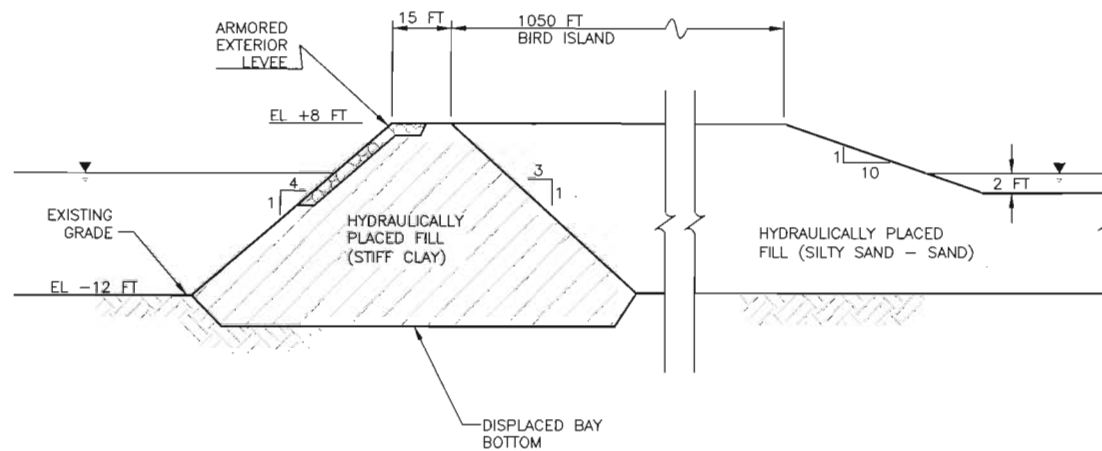
MATAGORDA AND CALHOUN COUNTIES, TEXAS

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PERMIT NO. 24071

URS

FIGURE 43 OF 46



P SECTION
26 NOT TO SCALE

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**PLACEMENT AREA DETAIL
AREA H4 - BIRD ISLAND**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

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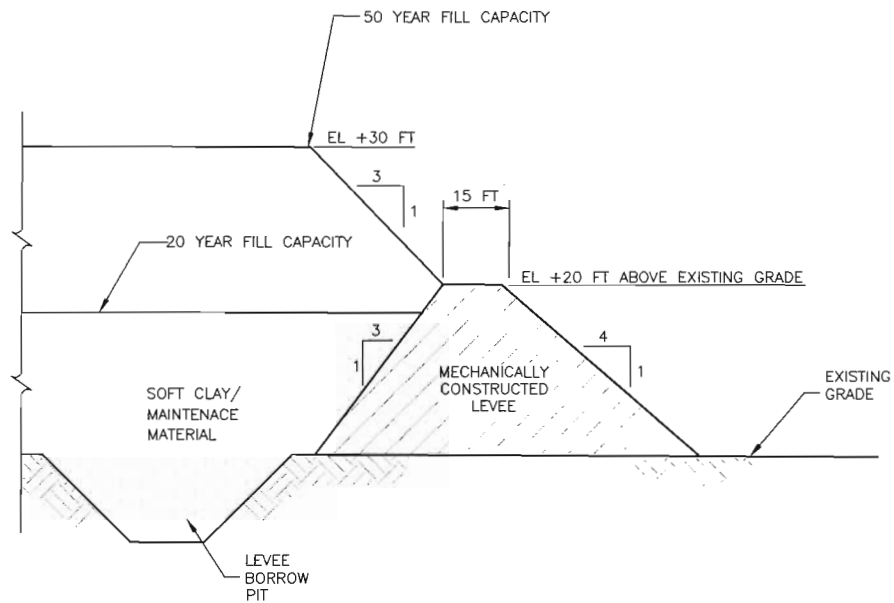
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FIGURE **44** OF **46**



Q SECTION
27 NOT TO SCALE

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**PLACEMENT AREA PLAN
AREA P1**

MATAGORDA SHIP CHANNEL IMPROVEMENT PROJECT

Revised 3-15-07

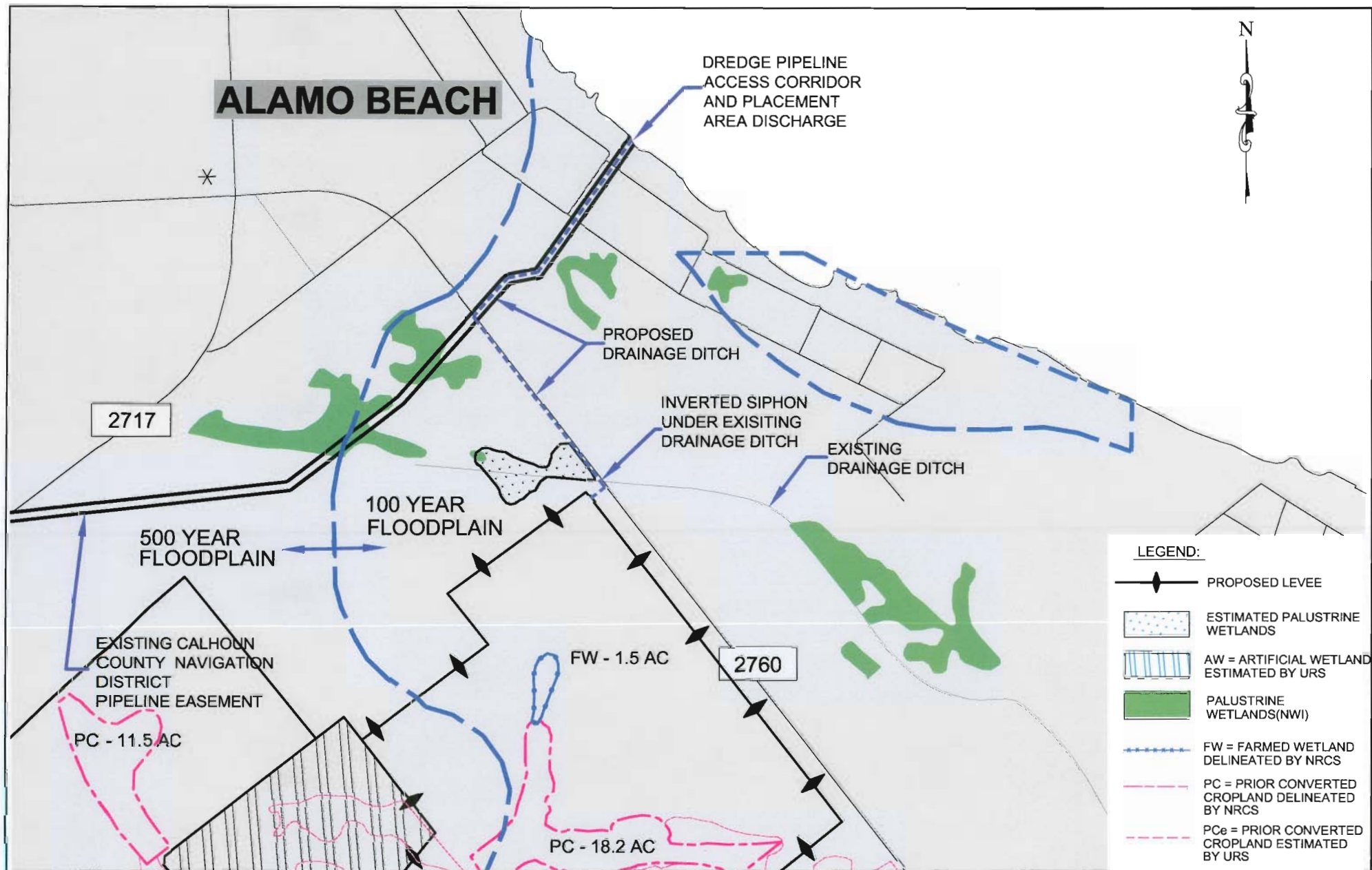
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PERMIT NO. **24071**

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FIGURE **45** OF **46**



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**PLACEMENT AREA PLAN
AREA P1**

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MATAGORDA AND CALHOUN COUNTIES, TEXAS

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CALHOUN COUNTY NAVIGATION DISTRICT

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FIGURE **46** OF **46**